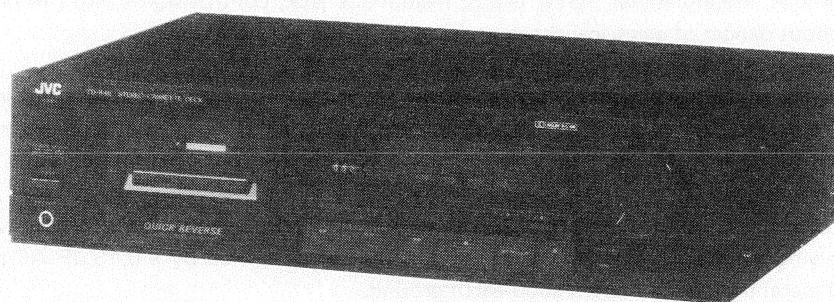


# JVC

## SERVICE MANUAL

### STEREO CASSETTE DECK

## TD-R411 A/B/C/E/G/J/U



#### Area suffix

|   |       |                    |
|---|-------|--------------------|
| A | ..... | Australia          |
| B | ..... | U.K.               |
| C | ..... | Canada             |
| E | ..... | Continental Europe |
| G | ..... | W. Germany         |
| J | ..... | U.S.A.             |
| U | ..... | Other Areas        |

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# 1 Safety Precautions

1. The design of this product contains special hardware and may circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by (  $\triangle$  ) on the Schematic Diagram and Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the Parts List of Service Manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.

## 5. Leakage current check (Electrical shock hazard testing)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

Do not use a line isolation transformer during this check.

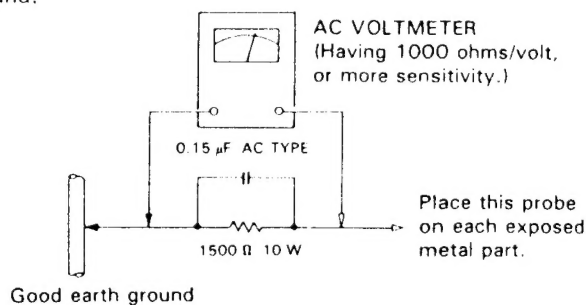
- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5 mA AC (r.m.s.).

### • Alternate check method

Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500  $\Omega$  10 W resistor paralleled by a 0.15  $\mu$ F AC-type capacitor between an exposed metal part and a known good earth ground.

Measure the AC voltage across the resistor with the AC voltmeter.

Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



## Warning

1. This equipment has been designed and manufactured to meet international safety standards.
2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
3. Repairs must be made in accordance with the relevant safety standards.
4. It is essential that safety critical components are replaced by approved parts.
5. If mains voltage selector is provided, check setting for local voltage.

## 2 Features

1. Silent quick-reverse mechanism
2. Dolby\* B/C noise reduction system
3. 2-color 6-LED peak level indicator
4. Mechanism mode indicators
5. Auto tape selection mechanism
6. COMPU LINK-1/SYNCHRO terminal

\* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.

\* "Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

## 3 Specifications

|                     |  |
|---------------------|--|
| Type                | : Stereo cassette deck   |
| Track system        | : 4-track, 2-channel   |
| Tape speed          | : 1-7/8 inch/sec (4.8 cm/sec)  |
| Frequency response  | : (−20 dB recording)   |
|                     | Metal tape; 20–17,000 Hz   |
|                     | 30–16,000 Hz (±3 dB)   |
|                     | Chrome tape; 20–16,000 Hz  |
|                     | 30–15,000 Hz (±3 dB)   |
|                     | Normal tape; 20–16,000 Hz  |
|                     | 30–15,000 Hz (±3 dB)   |
| S/N ratio           | : 58 dB (S = 1 kHz, K3 = 3%, N = A-weighted, Metal tape)   |
|                     | The S/N is improved by about 15 dB at 500 Hz and by max. 20 dB at 1 kHz –10 kHz with Dolby C NR on and improved by 5 dB at 1 kHz and by 10 dB at above 5 kHz with Dolby B NR on. |
|                     | Improvement of MOL: 4 dB at 10 kHz with Dolby C NR on.   |
| Wow and flutter     | : 0.08% (WRMS)   |
| Channel separation  | : 40 dB (1 kHz)  |
| Crosstalk           | : 60 dB (1 kHz)  |
| Harmonic distortion | : K3; 0.5%, THD; 1.0% (metal tape, 1 kHz, 0 VU)  |
| Heads               | : METAPERM head for recording/play-back  |
|                     | 2-gap ferrite head for erasure   |
|                     | Combination head x 1   |
| Motors              | : Electronic governed DC motor for capstan x 1   |
|                     | DC motor for reel x 1  |
|                     | DC motor for mechanism drive x 1   |

|                   |                                      |
|-------------------|--------------------------------------|
| Fast forward/     |                                      |
| Rewind time       | : Approx. 100 sec with C-60 cassette |
| Input terminals   |                                      |
| LINE IN           | : Min. input level; 80 mV            |
| (x 1 circuit)     | Input impedance; 50 kΩ               |
| MIC x 2           | : Max. sensitivity; 0.4 mV (−68 dBV) |
| (TD-R411A/U)      | Matching impedance; 600 Ω – 10 kΩ    |
| Output terminals  |                                      |
| LINE OUT          | : Output level; 300 mV               |
| (x 1 circuit)     | • Output impedance; 600 Ω            |
| PHONES x 1        | : Output level; 0.3 mW/8 Ω           |
|                   | Matching impedance; 8 Ω – 1 kΩ       |
| Other terminals   | : COMPU LINK-1/SYNCHRO x 2           |
| Power requirement |                                      |
| TD-R411A/B        | : AC 240 V, 50/60 Hz                 |
| TD-R411C/J        | : AC 120 V, 60 Hz                    |
| TD-R411E          | : AC 220 V, 50/60 Hz                 |
| TD-R411U          | : AC 230/127/110 V, 50/60 Hz         |
| Power consumption | : With power switch on; 14 W         |
|                   | With power switch standby; 1.2 W     |
| Dimensions        | : 435 x 112 x 290 mm                 |
| (W x H x D)       | (17-3/16" x 4-7/16" x 11-7/16")      |
| Weight            | : 3.9 kg (8.6 lbs)                   |
| Accessories       | : Pin plug cord . . . . . 2          |
|                   | Remote cable . . . . . 1             |

Design and specifications are subject to change without notice.

## 4 Name of Controls and Their Functions

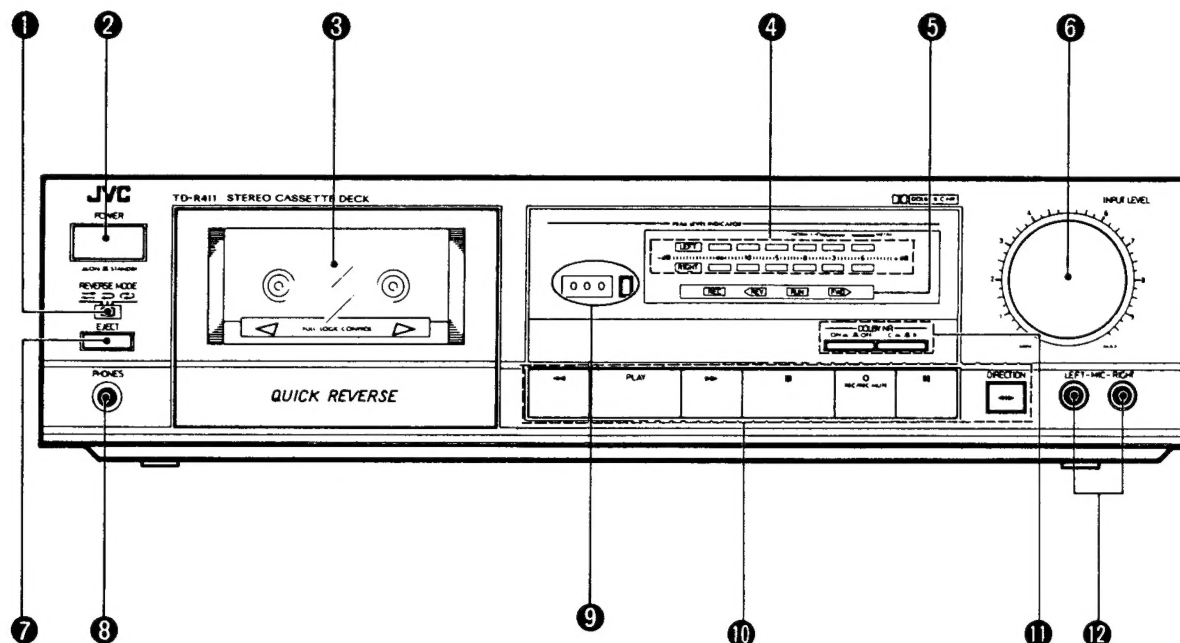


Fig. 4-1

### ① REVERSE MODE switch

Select the single or full record/playback mode, or the continuous play mode. (See page 25.)

- : For single-side recording or playback.
- : To play or record both sides A and B.
- : To play sides A and B continuously.

### ② POWER switch

### ③ Cassette holder

### ④ PEAK LEVEL indicators

These indicate the recording level during recording and output level during playback. The LED indication varies with the signal strength during recording and playback.

### ⑤ Mechanism mode indicators

**REC** : Lights in the recording and record-pause modes; flashes during record muting.

**REV** : Lights when the tape is running in the reverse direction.

**RUN** : Flashes when the tape is running.

**FWD** : Lights when the tape is running in the forward direction.

### ⑥ INPUT LEVEL control

Adjust the recording level with this control.

### ⑦ EJECT button

Press to open the cassette holder.

### ⑧ PHONES jack

Connect headphones (with an impedance of 8  $\Omega$  to 1 k $\Omega$ ).

### ⑨ Tape COUNTER and RESET button

### ⑩ Cassette operation buttons

◀◀ : Press to wind the tape quickly from right to left.

**PLAY** : Press to start recording/playback.

▶▶ : Press to wind the tape quickly from left to right.

■ (**stop**) : Press to stop the tape.

○ **REC/REC MUTE** : Press the **PLAY** button while pressing this button to start recording, and press to leave an appropriate non-recorded section. (See page 23.)

|| (**pause**) : Press to stop the tape temporarily. Press the **PLAY** button to release the pause mode. When pressed together with the ○ **REC/REC MUTE** before recording, the unit will enter the record-pause mode.

◀▶ (**DIRECTION**) : Press to change the direction of tape travel.

### ⑪ DOLBY NR switches

The left switch switches on and off noise reduction and the right switch selects which noise reduction system (Dolby B NR or Dolby C NR) is to be used.

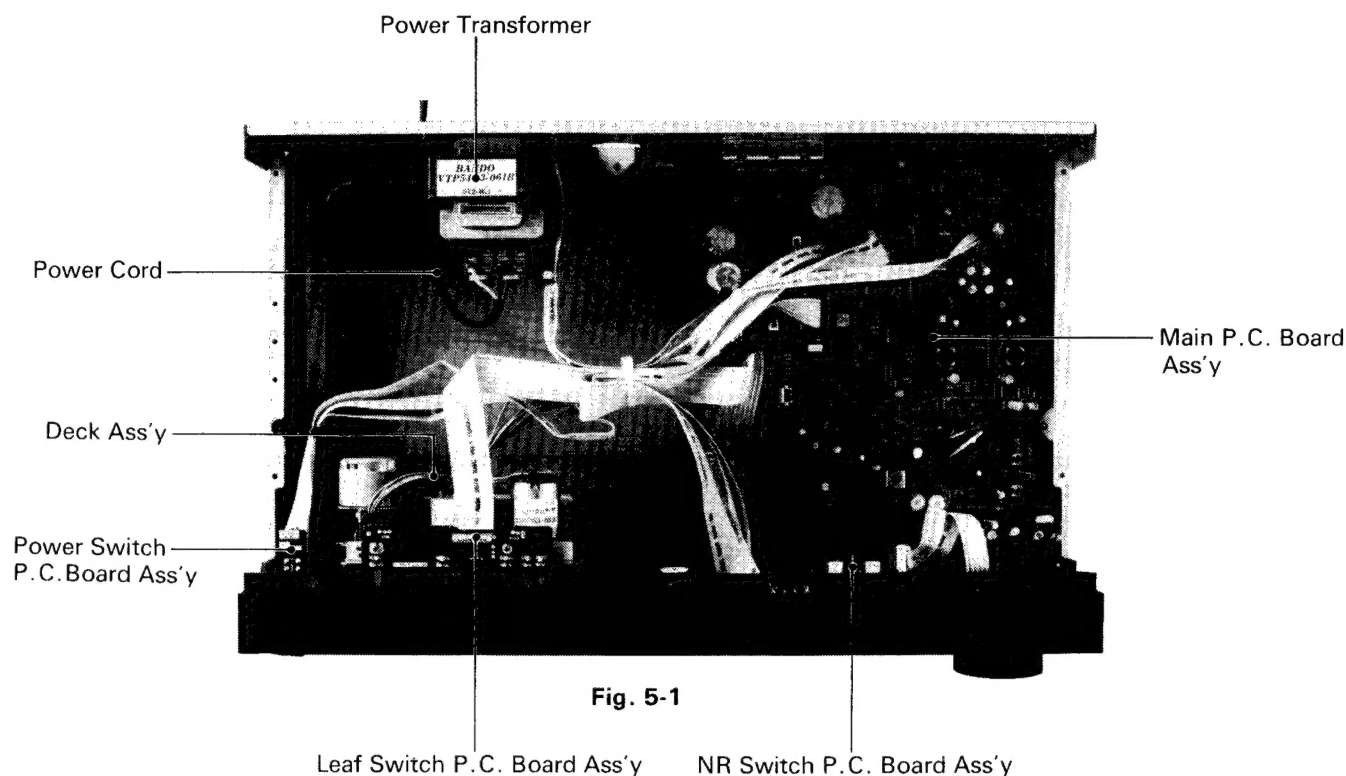
### ⑫ Mic jacks (L, R) (TD-R411A/B/E/G/U)

Connect microphones (with an impedance of 600  $\Omega$  to 10 k $\Omega$ ) to these jacks.

With microphones connected to these jacks, the input to **LINE IN (REC)** or **DIN** (for G version) terminals is cut off automatically.



## 5 Location of Main Parts



## 6 Removal of Main Parts

### ■ Enclosure Section

#### ■ Top cover

1. Remove four screws retaining the both sides of the top cover.
2. Remove two screws retaining the back sides of the top cover.

#### ■ Bottom cover

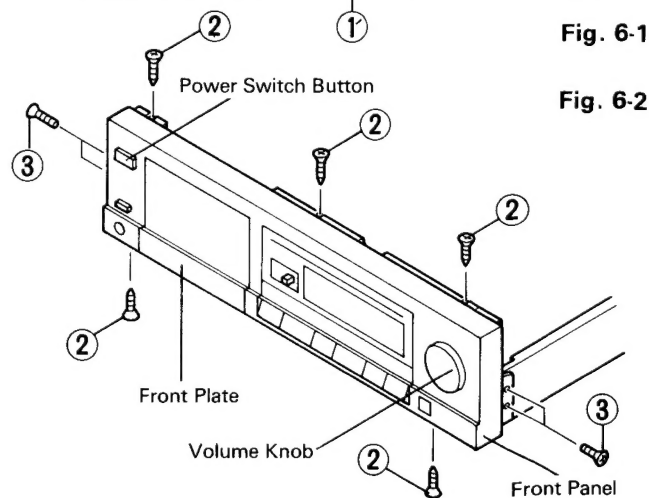
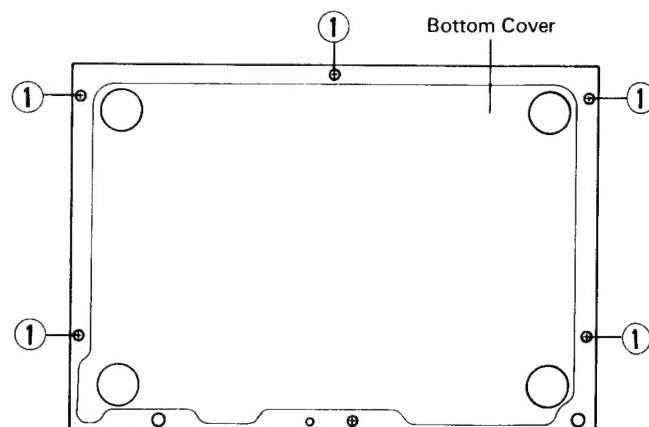
Remove six screws ① ① retaining the top and bottom side of the bottom cover. (Fig. 6-1)

#### ■ Front plate

Remove five screws ② retaining the top and bottom side of the front plate. (Fig. 6-2)

#### ■ Front panel

1. Remove four screws ③ retaining the both sides of the front panel. (Fig. 6-2)
2. Disconnect connectors CP501, CP502, CP503, CP505 and CP901 of Main board ass'y.
3. If necessary, remove dressed wires temporarily.
4. Pull out the Main board ass'y.



## ■ Deck Section

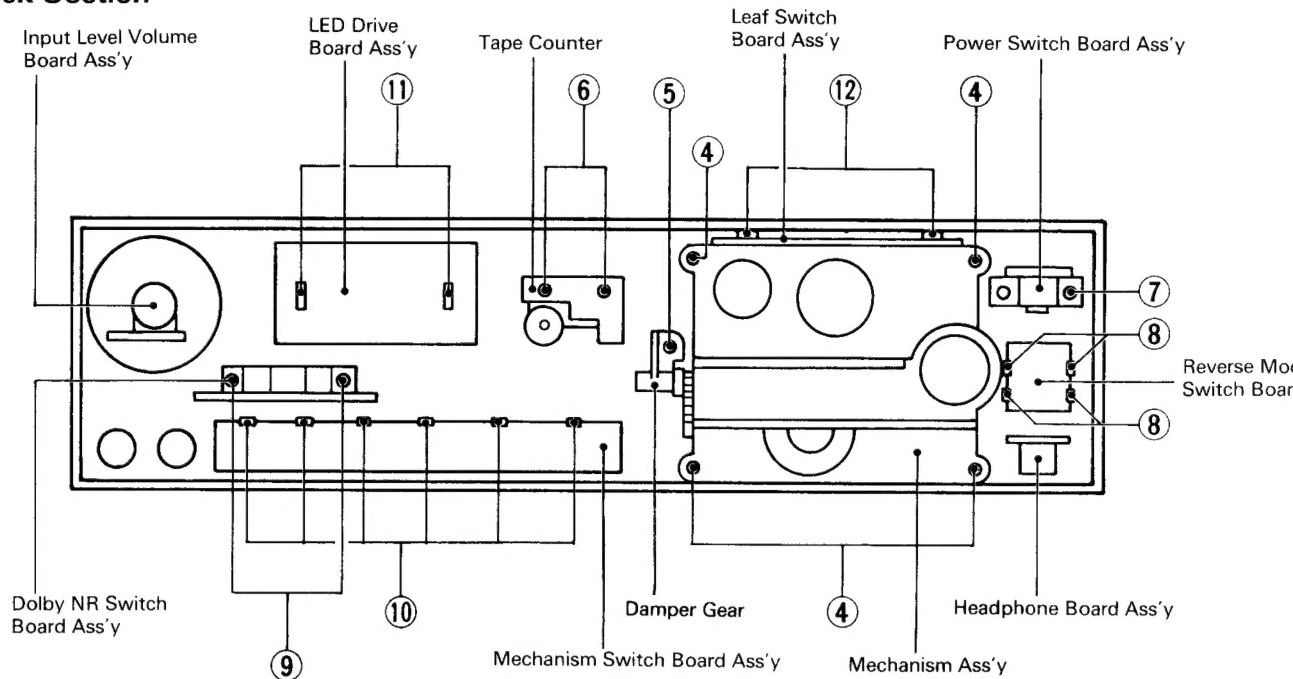


Fig. 6-3

### ■ Mechanism ass'y

1. Remove the counter belt.
2. Remove four screws (4) retaining the mechanism ass'y. (Fig. 6-3)
3. Press the EJECT button to open the cassette door.
4. Remove two screws (12) retaining the leaf switch board ass'y to mechanism ass'y. (Fig. 6-3)

### ■ Cassette door

1. Remove one screw (5) from damper gear. (Fig. 6-3)
2. Remove the cassette cover from the front panel disengaging its fulcrums on both sides and pull it out forward.

### ■ Tape counter

1. Remove two screws (6) retaining the tape counter. (Fig. 6-3)

### ■ Input level volume board ass'y

1. Pull out the volume knob. (Fig. 6-3)
2. Remove the nut for volume.

### ■ Power switch board ass'y

1. Pull out the power switch button.
2. Remove one screw (7) from power switch.

### ■ Headphone board ass'y

Pull out the headphone board ass'y and lift it upward.

### ■ Reverse mode switch board ass'y

Remove four pawls (8) retaining reverse mode switch board ass'y. (Fig. 6-3)

### ■ Dolby NR switch board ass'y

1. Remove two screws (9) from the Dolby NR switch. (Fig. 6-3)
2. Remove two buttons.

### ■ Mechanism switch board ass'y

Remove six pawls (10) retaining the mechanism switch board ass'y. (Fig. 6-3)

### ■ LED drive board ass'y

Remove two pawls (11) retaining the LED drive board ass'y.

## ■ Mechanism (Deck) Section

### ■ Head ass'y (Fig. 6-4)

1. Remove the head wires from the wire holder.
2. To protect the head gap, apply soft paper and stick it provisionally.
3. Remove two screws ① both sides of head gap and pull out the head ass'y carefully.

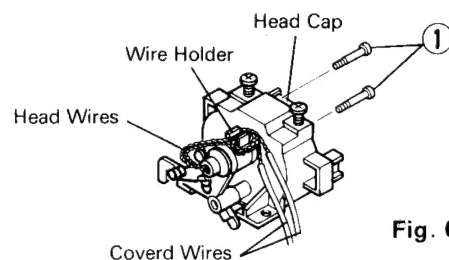


Fig. 6-4

### ■ Head mount ass'y (Fig. 6-5)

Remove two screws ② retaining the head mount ass'y.

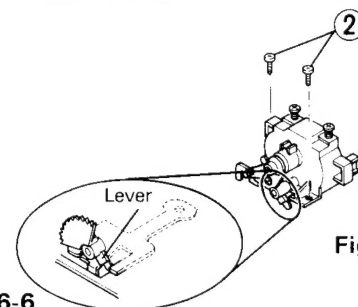


Fig. 6-5

### ■ Pinch roller ass'y

Push a pawl catching the pinch roller ass'y on the chassis in the direction of the arrow mark (Fig. 6-7) to remove it.

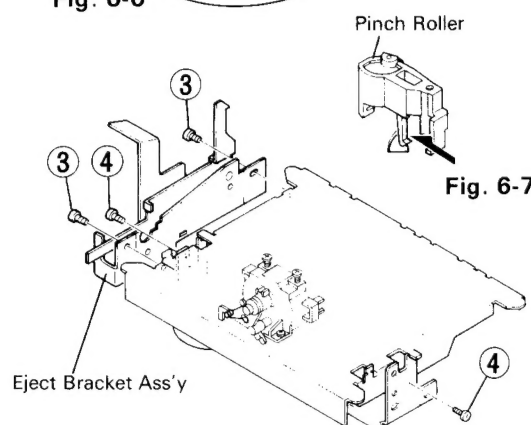


Fig. 6-7

### ■ Flywheel bracket (FM bracket)

1. Remove two screws ③ securing the eject bracket ass'y. (Fig. 6-8)
  2. Remove two screws ④ securing the flywheel bracket from the both sides. (Fig. 6-8)
- When the FM bracket is removed, the main belt is disengaged at the same time.
  - The capstan motor and flywheel ass'y can be replaced by this procedure. (Fig. 6-9)

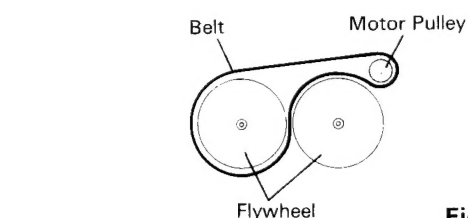


Fig. 6-8

Fig. 6-9

### ■ Disk base unit

Remove three screws ⑤, ⑥ and ⑦ retaining the disk base unit. (Fig. 6-10, Fig. 6-11)

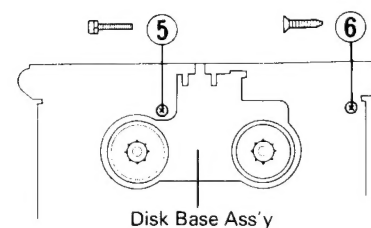


Fig. 6-10

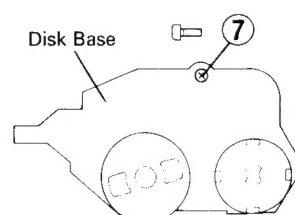


Fig. 6-11

• **Re-assembling of disk base unit**

1. Re-assemble the disk base unit in order of numbers ( **A** to **E** ) shown in Fig. 6-12.

- a) When setting the cam gear, make sure of its positioning so that the gear's wide side makes a right angle with the disk, while its small side is in parallel with the disk as shown in Fig. 6-13.

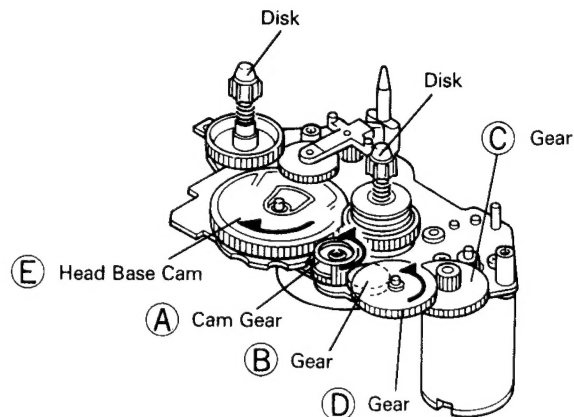


Fig. 6-12

- b) Engage the gears **B** , **C** and **D** with each other. (Fig. 6-12)
- c) When putting back the head base cam **E** , pay careful attention to positioning it so that big and small concaves are paralleled with the disk. (Fig. 6-14)
2. Turn the gears **B** , **D** in the direction of the arrow mark, and stop turning when the cam gear **A** and the head base cam **E** are free from each other (slit of the head base cam can be seen on the opposite side).

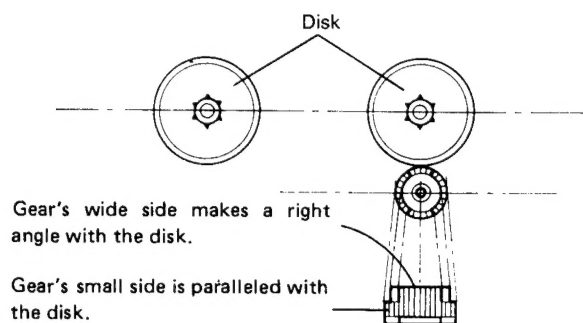


Fig. 6-13

• **Fixing disk base unit to chassis**

Join together the head base cam and the pinch roller cam so as to catch on each other by the slits. (Fig. 6-15)

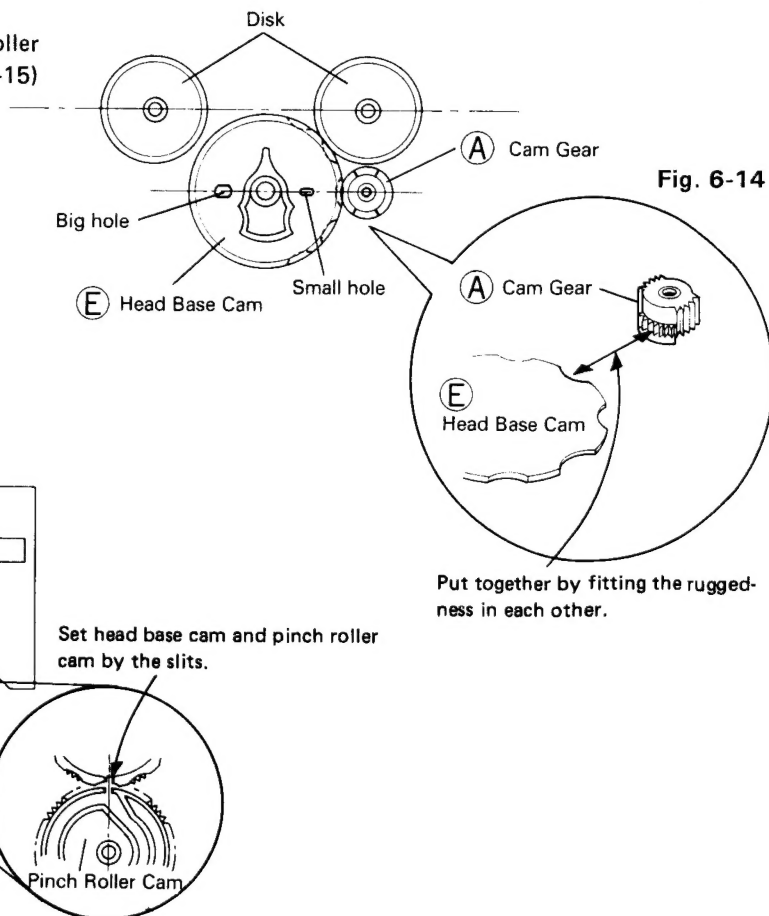


Fig. 6-14

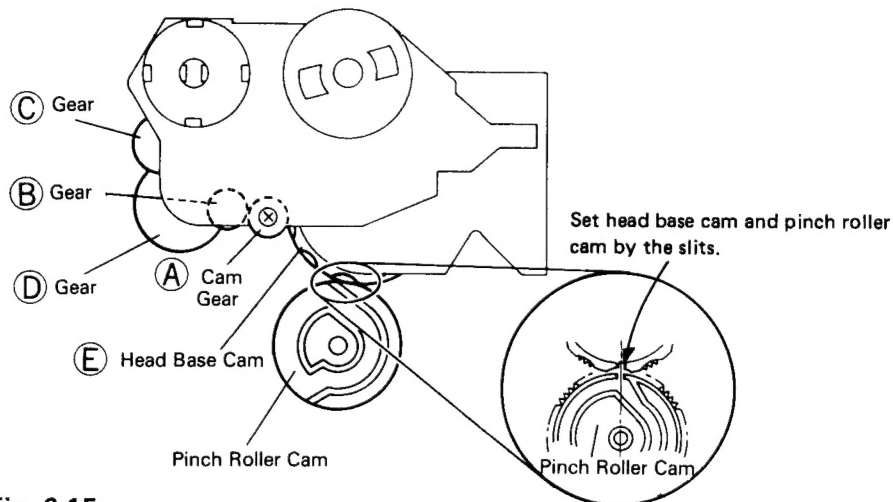


Fig. 6-15

# 7 Block Diagrams

[LET CHANNEL ONLY]

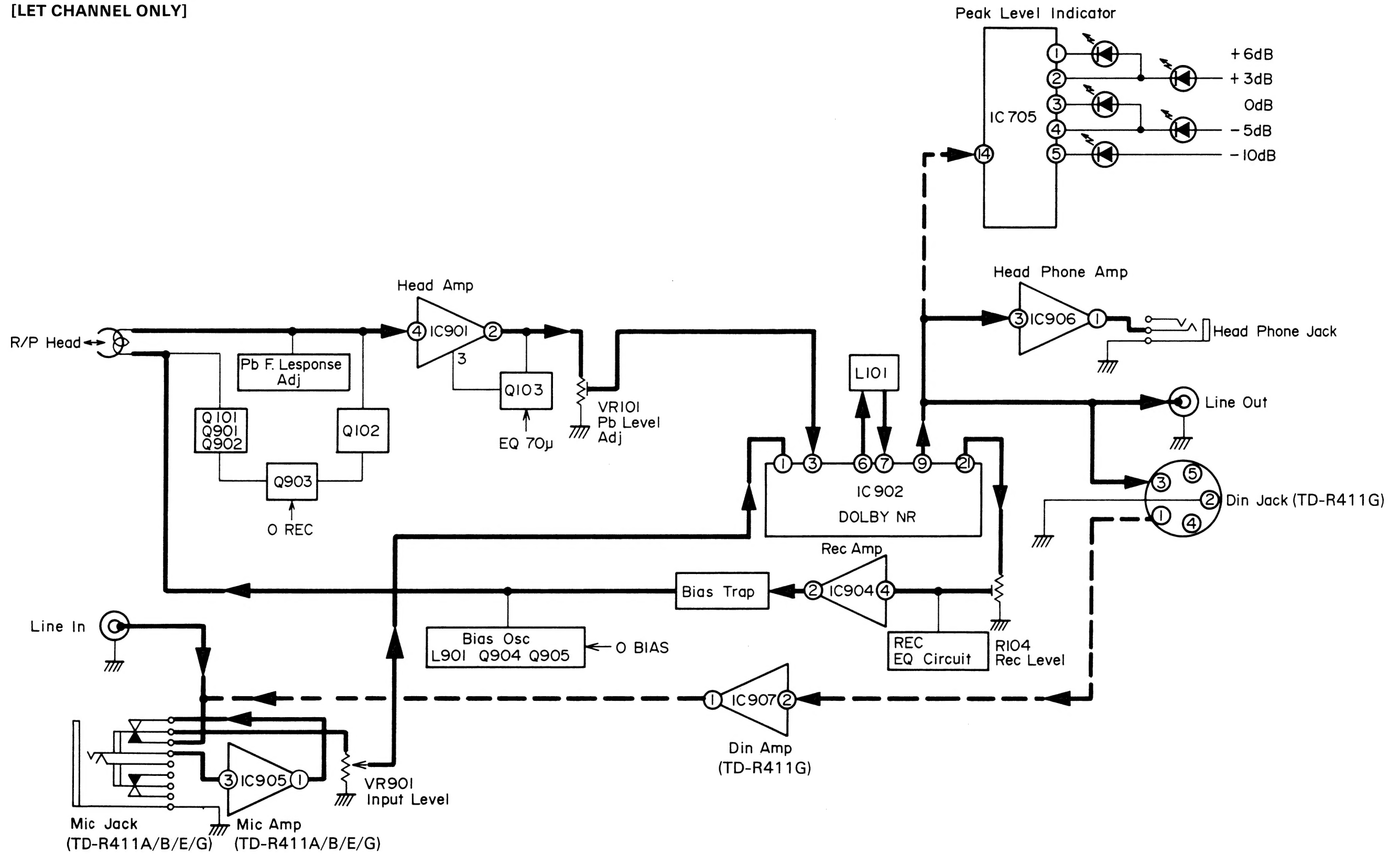


Fig. 7-1



8 Main Adjustments

1. Equipment and measuring instruments used for adjustments

- 1) Electronic voltmeter
- 2) Audio frequency oscillator  
(range: 50—20 kHz and output 0 dB with impedance of 600 Ω)
- 3) Attenuator (impedance: 600 Ω)
- 4) Standard tape for REC/PB  
Maxell UD1 (TS-9) — Normal (SF) tape  
TDK SA — Chroma (SA) tape — or equivalent  
JVC ME — Metal tape
- 5) Reference tape for playback (JVC Test Tape)  
VTT712 (for tape speed, wow flutter adj.)  
VTT724 (for playback level)  
VTT739 (for playback frequency response)  
VTT703L (10 kHz) (for head azimuth adj.)
- 6) Resistor 600 Ω (for attenuator matching)

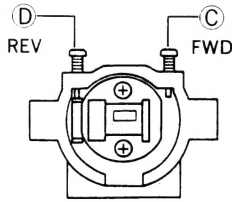
- 7) Distortion meter (bandpass filter)
- 8) Wow flutter meter
- 9) Frequency counter

■ **Power sources**  
Set the line voltage selector switch to 240 V/230 V/  
220 V/127 V/120 V/110 V according to your local  
voltage.

AC 240 V, 50/60 Hz (TD-R411A/B)  
AC 220 V, 50/60 Hz (TD-R411E/G)  
AC 120 V, 60 Hz (TD-R411C/J)  
AC 230 V/127 V/110 V, 50/60 Hz (TD-R411U)

2. Mechanism adjustment procedure

● Notice: 0 dBs = 0.775 (V)

| Item                     | Adjustment  | Adjusting point              | Standard value                    | Remarks   |
|--------------------------|---|------------------------------|-----------------------------------|---|
| Adjusting motor speed    | 1. Connect a frequency counter to the LINE OUT terminals.<br>2. Play back the VTT712 test tape.<br>3. Adjust volume in motor for normal speed at 3000 Hz.   | Volume in Motor              | Normal speed:<br><br>3000 ± 15 Hz |   |
| Checking wow and flutter | Connect a wow and flutter meter to LINE OUT terminals. Play back the VTT712 test tape. Check to see if the reading of the meter is within 0.13% (WRMS).   |                              | 0.13% (WRMS)                      | If the reading becomes moving value even if confirming to the standard, a reclaim may be raised. Repairs are necessary. |
| Adjusting Head azimuth   | 1. Connect an electronic voltmeter to the LINE OUT terminals.<br>2. Playback the VTT703L test tape.<br>3. Adjust the head angle with the screw (FWD Ⓒ and REV Ⓓ) until the reading of the electronic voltmeter becomes maximum for both channels. | Screws<br><br>FWD Ⓒ<br>REV Ⓓ | Maximum                           |                                    |

3. Electrical adjustments location

- Main Amp. P.C. Board (parts assembly side view)

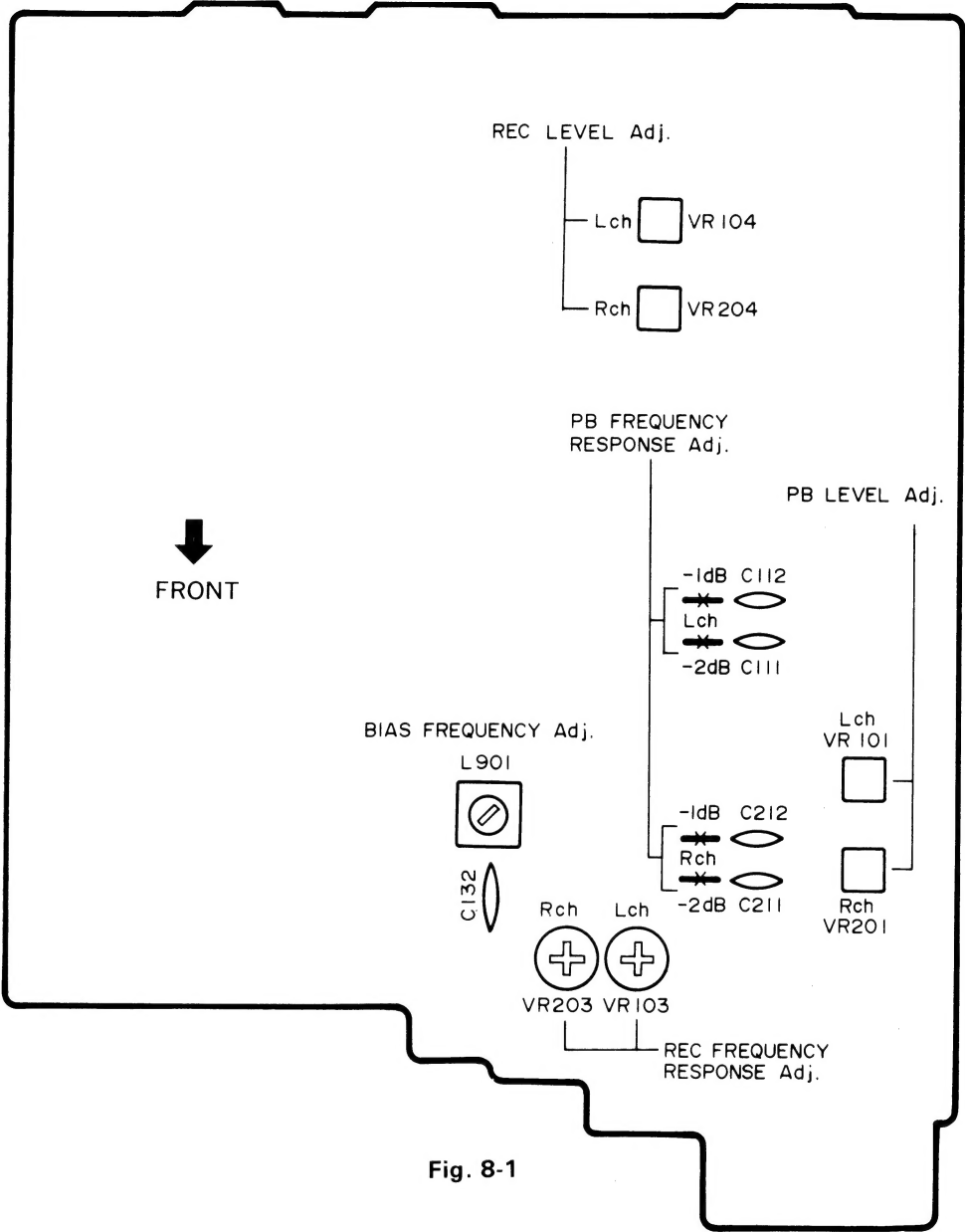


Fig. 8-1

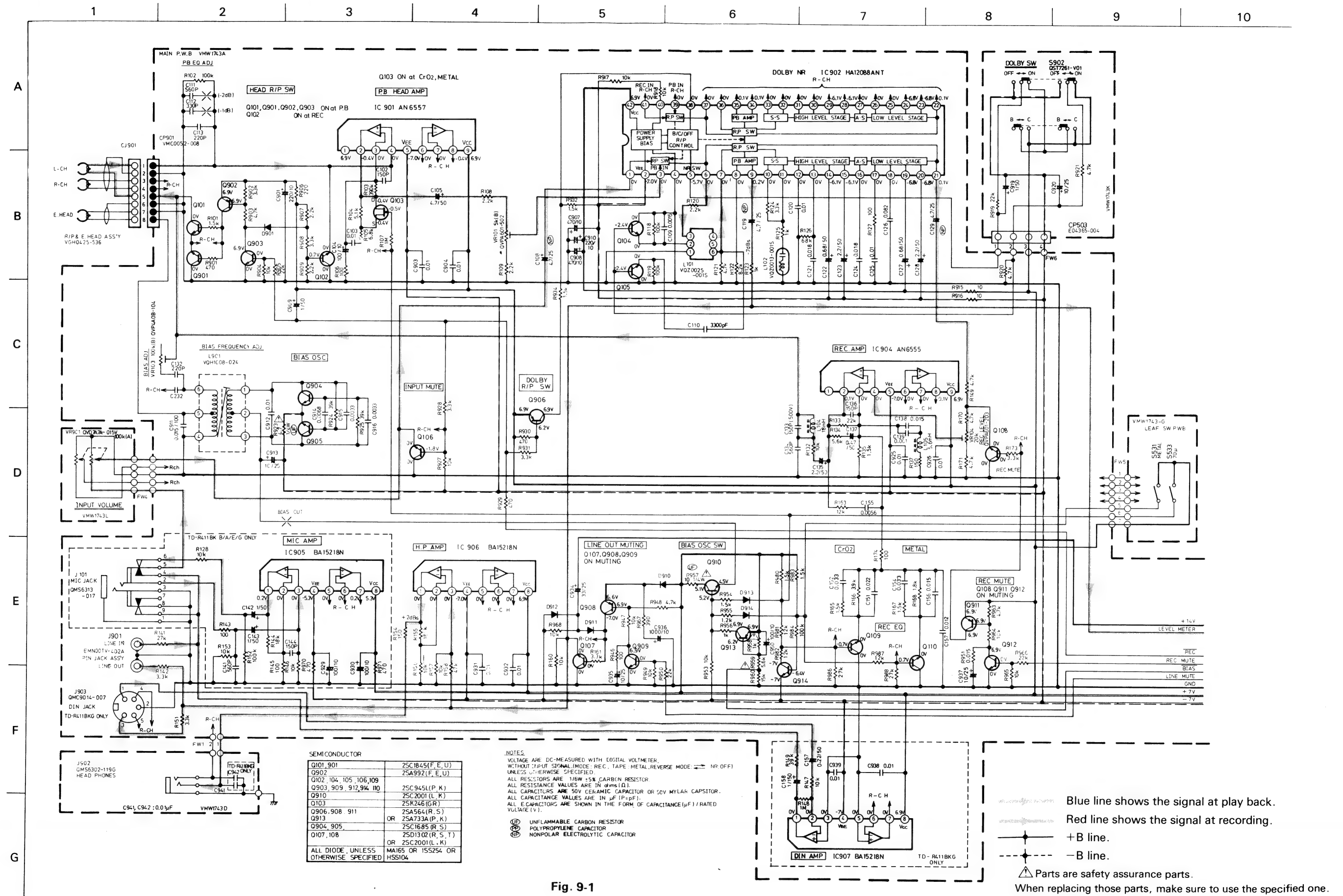
#### 4. Electrical circuit adjustment procedure

Perform the tape transport checks and head azimuth adjustment before following checks and adjustments.  
Adjustment should be performed in the order of alignment steps.  
In the steps marked with an asterisk ( \* ), adjustment should be performed after replacing the heads.  
Perform this adjustment with the NR switch set to OFF.

| Step | Item                         | Adjustment   | Adjusting point  | Standard value  | Remarks  |
|------|------------------------------|--|--|---|--|
| *1   | Confirming playback gain     | Play back VTT724, then confirm that the level at LINE OUT is $-8 \text{ dBs} \pm 0.5 \text{ dB}$ .<br>Adjust VR101 (L) and VR201 (R) so that LINE OUT level becomes $-8 \text{ dBs}$ .   | L : VR101<br>R : VR201   | $-8 \text{ dBs} \pm 0.5 \text{ dB}$   | When the head is replaced, adjust playback gain level.<br>Cheeking :<br>$-24 \pm 2 \text{ dBs}$ at headphone output level.<br>$-8 \pm 1 \text{ dBs}$ at DIN output level.<br>(TD-R411G)                  |
| *2   | Playback frequency response  | Play back VTT739, then confirm that the level of 1 kHz and 10 kHz signals is $0 \pm 1 \text{ dB}$ .<br><b>Note:</b> Before adjustment, disconnect $-1 \text{ dB}$ $-2 \text{ dB}$ (L-ch) and $-1 \text{ dB}$ $-2 \text{ dB}$ (R-ch) so that the outputs of 1 kHz and 10 kHz signals are flat.  | L : $-1 \text{ dB}$<br>$-2 \text{ dB}$<br>R : $-1 \text{ dB}$<br>$-2 \text{ dB}$ | $0 \pm 1 \text{ dB}$  | L : $-1 \text{ dB}$ cut by $-1 \text{ dB}$ (C112)<br>$-2 \text{ dB}$ cut by $-2 \text{ dB}$ (C111)<br>R : $-1 \text{ dB}$ cut by $-1 \text{ dB}$ (C212)<br>$-2 \text{ dB}$ cut by $-2 \text{ dB}$ (C211) |
| *3   | Adjusting bias frequency     | Connect the frequency counter to the C132 on body, then adjust L901 so that the counter reads 95 kHz.  | L901   | $95 \text{ kHz} \pm 2 \text{ kHz}$  | METAL Position   |
| *4   | Recording frequency response | 1) NR switch: OFF<br>2) Record a 1 kHz signal at an input reference level of $-20 \text{ dB}$ , then record 12.5 kHz signals and play them back. At this time, adjust VR103 and VR203 so that the deviation of 12.5 kHz outputs satisfy the standard values with respect to 1 kHz output.  | For Normal tape<br>L : VR103<br>R : VR203  | With respect to 1 kHz reference:<br>At 12.5 kHz : $0 \pm 0.5 \text{ kHz}$   |  |
| *5   | Recording gain               | 1) Apply a 1 kHz signal to the LINE IN terminals, record a 1 kHz signal at $-20 \text{ dBs}$ input for both (L and R) channels on a normal tape.<br>2) Play back the recorded part, and adjust the recording level controls so that LINE OUT terminal level becomes $-8 \text{ dBs}$ .<br>Then adjust VR104 and VR204 so that LINE OUT terminal level becomes $-8 \text{ dBs}$ . | For Normal tape:<br>L : VR104<br>R : VR204                                       | Normal:<br>$-8 \pm 0.5 \text{ dBs}$<br>CrO <sub>2</sub> :<br>$-8 \pm 1.5 \text{ dBs}$<br>Metal:<br>$-8 \pm 2 \text{ dBs}$ |  |

| Step | Item   | Adjustment  | Adjusting point | Standard value   | Remarks   |
|------|--|---|-----------------|--|---|
| *6   | Checking record/playback distortion                  | 1) Record a 1 kHz, $-8 \text{ dB}$ signal to LINE IN terminals.<br>2) Play back the recorded part. Check the output with a distortion meter to see if the value conforms to the standard value.   |                 | Normal tape:<br>Less than 2%<br>CrO <sub>2</sub> tape:<br>Less than 3%<br>Metal tape:<br>Less than 2% (THD)  | Be sure to perform this checking following bias current and recording level checking.   |
| 7    | Checking signal to noise ratio in recording/playback | 1) Record a 1 kHz, 0 dB signal. Stop the input by disconnecting from the terminal to perform non-signal recording.<br>2) Play back the recorded part. Measure the 0 dB recording output and the non-signal recording output for comparison using an electronic voltmeter. Check to see if the value conforms to the standard value. |                 | Normal, CrO <sub>2</sub> & Metal tapes:<br>More than 42 dB   | Apply an input level to LINE IN terminals with the recording level controls set to maximum so that the peak level indicator reads 0 dB. |
| 8    | Checking erasing coefficient                         | 1) Apply a 1 kHz, 0 dB signal to the LINE IN terminals.<br>2) Perform recording with the signal enhanced by 20 dB.<br>3) Erase a part of the recording.<br>4) Measure the output difference between the erased part and non-erased part to compare with an electronic voltmeter.  |                 | More than 60 dB  | For the measurement using a metal tape, connect a band pass filter between the deck and the electronic voltmeter.<br>                   |
| 9    | Checking minimum input level                         | 1) Apply a 1 kHz signal to the LINE IN terminals, check the LINE OUT terminals level at $-8 \text{ dBs}$ with attenuator to see if the value confirms to the standard value.  |                 | LINE IN :<br>$-20 \pm 3 \text{ dBs}$<br>MIC IN :<br>$-66 \pm 3 \text{ dBs}$<br>(TD-R411A/B/E/G/U)<br>DIN IN :<br>$-24 \pm 3 \text{ dBs}$<br>(TD-R411G) | Level difference between left and right channels should also be less than 3 dB.   |

# 9 Standard Schematic Diagrams







# 10 Wiring Connections

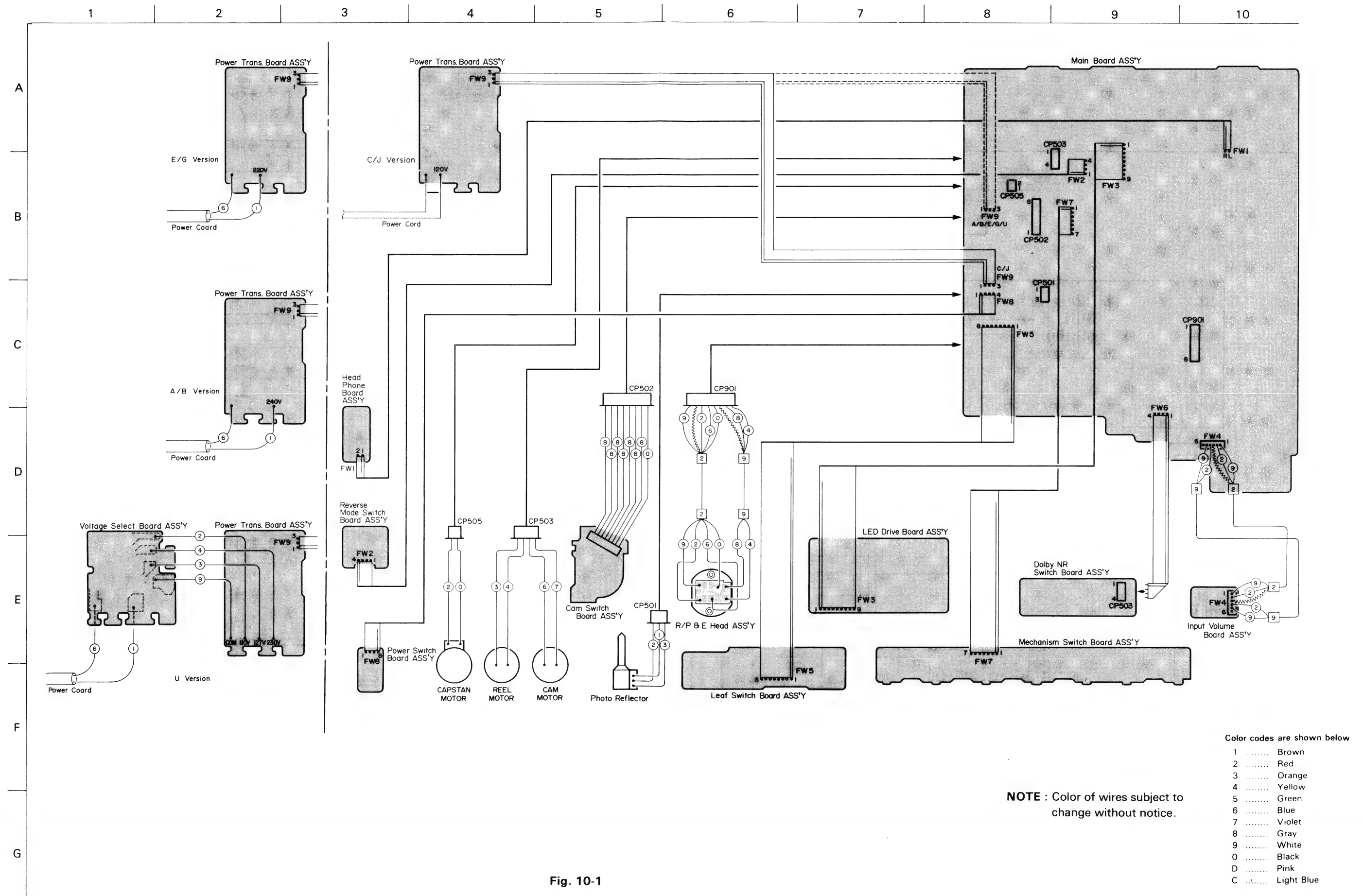


Fig. 10-1



# 11 Location of P.C. Board Parts and Parts List

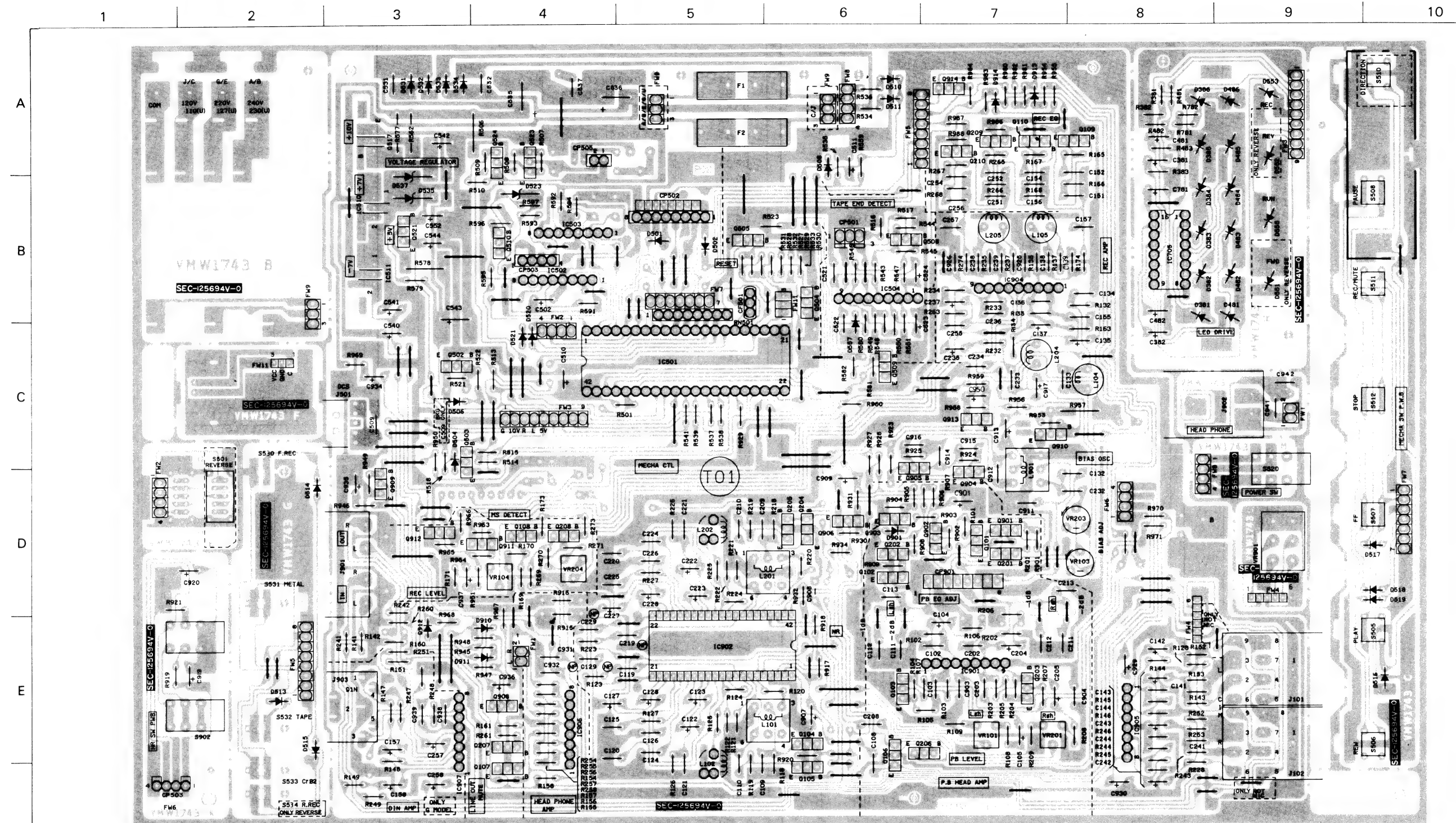
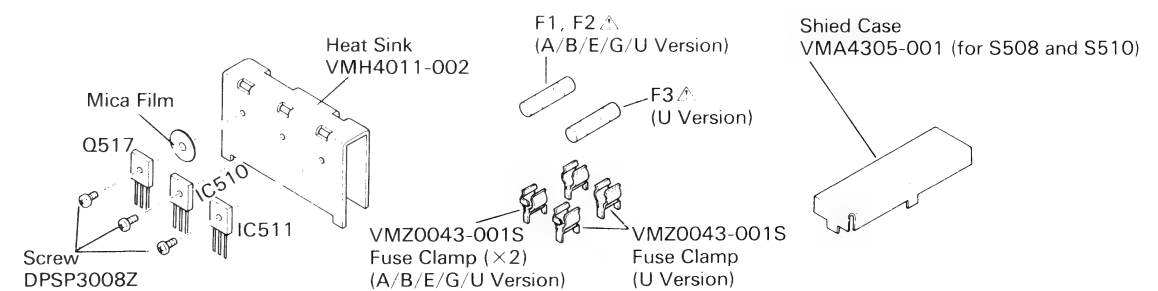
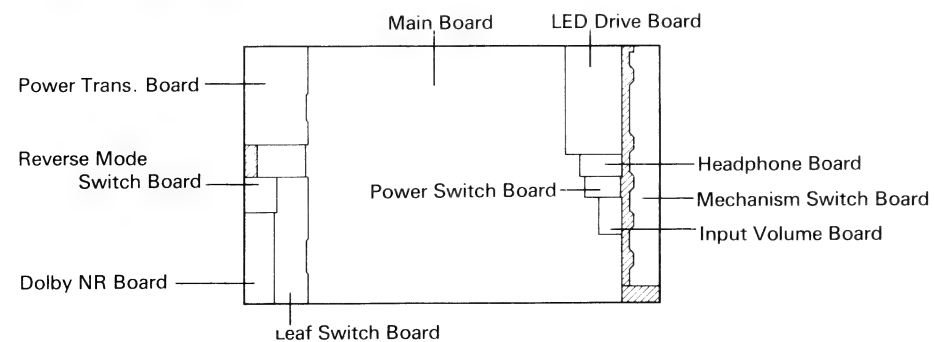


Fig. 11-1



## Main Board Parts List

| REF. NO | PARTS NO.     | PARTS NAME     |
|---------|---------------|----------------|
| CF501   | EFO-FC8004A4  | CERA LOCK      |
| CP501   | QMV5005-003   | CONNECTOR      |
| CP502   | QMV5011-008   | CONNECTOR      |
| CP503   | E04365-004S   | CONNECTOR      |
| CP504   | QMV5011-004   | CONNECTOR      |
| CP505   | QMV5011-002   | CONNECTOR      |
| CP901   | VMC0052-008   | CONNECTOR      |
| C102    | QCS31HJ-151Z  | C.CAPACITOR    |
| C103    | QFV71HJ-103ZM | TF.CAPACITOR   |
| C104    | QETC1AM-107ZN | E.CAPACITOR    |
| C105    | QETC1HM-475ZN | E.CAPACITOR    |
| C108    | QEN61EM-475Z  | NP.E.CAPACITOR |
| C109    | QFN31HJ-152Z  | M.CAPACITOR    |
| C110    | QFN31HJ-332Z  | M.CAPACITOR    |
| C111    | QCS31HJ-561Z  | C.CAPACITOR    |
| C112    | QCS31HJ-331Z  | C.CAPACITOR    |
| C113    | QCS31HJ-221Z  | C.CAPACITOR    |
| C119    | QEN61EM-475Z  | NP.E.CAPACITOR |
| C120    | QFV71HJ-103ZM | TF.CAPACITOR   |
| C121    | QFV71HJ-183ZM | TF.CAPACITOR   |
| C122    | QETC1HM-684ZN | E.CAPACITOR    |
| C123    | QETC1HM-225ZN | E.CAPACITOR    |
| C124    | QFV71HJ-183ZM | TF.CAPACITOR   |
| C125    | QFV71HJ-103ZM | TF.CAPACITOR   |
| C126    | QFV71HJ-823ZM | TF.CAPACITOR   |
| C127    | QETC1HM-684ZN | E.CAPACITOR    |
| C128    | QETC1HM-225ZN | E.CAPACITOR    |
| C129    | QEN61EM-475Z  | NP.E.CAPACITOR |
| C132    | QCS31HJ-221Z  | C.CAPACITOR    |
| C133    | QCS32HJ-151ZV | C.CAPACITOR    |
| C134    | QCS31HJ-561Z  | C.CAPACITOR    |
| C135    | QETC1HM-225ZN | E.CAPACITOR    |
| C136    | QCS31HJ-151Z  | C.CAPACITOR    |
| C137    | QETC1HM-474ZM | E.CAPACITOR    |
| C138    | QFV71HJ-153ZM | TF.CAPACITOR   |
| C139    | QFN31HJ-102Z  | M.CAPACITOR    |
| C141    | QCS31HJ-561Z  | C.CAPACITOR    |
| C142    | QETC1HM-105ZN | E.CAPACITOR    |
| C143    | QETC1HM-105ZN | E.CAPACITOR    |
| C144    | QCS31HJ-151Z  | C.CAPACITOR    |
| C151    | QFV71HJ-223ZM | TF.CAPACITOR   |
| C152    | QFV71HJ-333ZM | TF.CAPACITOR   |
| C154    | QFV71HJ-333ZM | TF.CAPACITOR   |
| C155    | QFN31HJ-562Z  | M.CAPACITOR    |
| C156    | QFV71HJ-153ZM | TF.CAPACITOR   |
| C157    | QFV71HJ-123ZM | TF.CAPACITOR   |
| C158    | QETC1HM-105ZN | E.CAPACITOR    |
| C202    | QCS31HJ-151Z  | C.CAPACITOR    |
| C203    | QFV71HJ-103ZM | TF.CAPACITOR   |
| C204    | QETC1AM-107ZN | E.CAPACITOR    |
| C205    | QETC1HM-475ZN | E.CAPACITOR    |
| C208    | QEN61EM-475Z  | NP.E.CAPACITOR |
| C209    | QFN31HJ-152Z  | M.CAPACITOR    |
| C210    | QFN31HJ-332Z  | M.CAPACITOR    |
| C211    | QCS31HJ-561Z  | C.CAPACITOR    |
| C212    | QCS31HJ-331Z  | C.CAPACITOR    |
| C213    | QCS31HJ-221Z  | C.CAPACITOR    |
| C219    | QEN61EM-475Z  | NP.E.CAPACITOR |
| C220    | QFV71HJ-103ZM | TF.CAPACITOR   |
| C221    | QFV71HJ-183ZM | TF.CAPACITOR   |
| C222    | QETC1HM-684ZN | E.CAPACITOR    |
| C223    | QETC1HM-225ZN | E.CAPACITOR    |
| C224    | QFV71HJ-183ZM | TF.CAPACITOR   |
| C225    | QFV71HJ-103ZM | TF.CAPACITOR   |
| C226    | QFV71HJ-823ZM | TF.CAPACITOR   |
| C227    | QETC1HM-684ZN | E.CAPACITOR    |
| C228    | QETC1HM-225ZN | E.CAPACITOR    |
| C229    | QEN61EM-475Z  | NP.E.CAPACITOR |
| C232    | QCS31HJ-221Z  | C.CAPACITOR    |
| C233    | QCS32HJ-151ZV | C.CAPACITOR    |

| REF. NO | PARTS NO.     | PARTS NAME    |
|---------|---------------|---------------|
| C234    | QCS31HJ-561Z  | C.CAPACITOR   |
| C235    | QETC1HM-225ZN | E.CAPACITOR   |
| C236    | QCS31HJ-151Z  | C.CAPACITOR   |
| C237    | QETC1HM-474ZM | E.CAPACITOR   |
| C238    | QFV71HJ-153ZM | TF.CAPACITOR  |
| C239    | QFN31HJ-102Z  | M.CAPACITOR   |
| C241    | QCS31HJ-561Z  | C.CAPACITOR   |
| C242    | QETC1HM-105ZN | E.CAPACITOR   |
| C243    | QETC1HM-105ZN | E.CAPACITOR   |
| C244    | QCS31HJ-151Z  | C.CAPACITOR   |
| C251    | QFV71HJ-223ZM | TF.CAPACITOR  |
| C252    | QFV71HJ-333ZM | TF.CAPACITOR  |
| C254    | QFV71HJ-333ZM | TF.CAPACITOR  |
| C255    | QFN31HJ-562Z  | M.CAPACITOR   |
| C256    | QFV71HJ-153ZM | TF.CAPACITOR  |
| C257    | QFV71HJ-123ZM | TF.CAPACITOR  |
| C258    | QETC1HM-105ZN | E.CAPACITOR   |
| C381    | QETC1HM-224ZN | E.CAPACITOR   |
| C382    | QETC1EM-226ZN | E.CAPACITOR   |
| C481    | QETC1HM-224ZN | E.CAPACITOR   |
| C482    | QETB1EM-226   | E.CAPACITOR   |
| C502    | QETC1AM-107ZN | E.CAPACITOR   |
| C509    | QCS31HJ-221Z  | C.CAPACITOR   |
| C510    | QETC1AM-107ZN | E.CAPACITOR   |
| C511    | QETC1EM-226ZN | E.CAPACITOR   |
| C521    | QCF31HP-103Z  | C.CAPACITOR   |
| C522    | QCF31HP-103Z  | C.CAPACITOR   |
| C523    | QETC1AM-477ZN | E.CAPACITOR   |
| C524    | QETC1HM-475ZN | E.CAPACITOR   |
| C531    | QCF31HP-103Z  | C.CAPACITOR   |
| C532    | QCF31HP-103Z  | C.CAPACITOR   |
| C535    | QETB1EM-228N  | E.CAPACITOR   |
| C536    | QET51ER-108N  | E.CAPACITOR   |
| C537    | QCF31HP-473Z  | C.CAPACITOR   |
| C540    | QETC1AM-107ZN | E.CAPACITOR   |
| C541    | QETC1AM-107ZN | E.CAPACITOR   |
| C542    | QETB1CM-107N  | E.CAPACITOR   |
| C543    | QETB1AM-109N  | E.CAPACITOR   |
| C544    | QETC1AM-107ZN | E.CAPACITOR   |
| C552    | QETC1AM-107ZN | E.CAPACITOR   |
| C781    | QETC1EM-106ZN | E.CAPACITOR   |
| C901    | QETB1AM-227   | E.CAPACITOR   |
| C903    | QCF31HP-103Z  | C.CAPACITOR   |
| C904    | QCF31HP-103Z  | C.CAPACITOR   |
| C907    | QETC1AM-477ZN | E.CAPACITOR   |
| C908    | QETC1AM-477ZN | E.CAPACITOR   |
| C909    | QETC1HM-105ZN | E.CAPACITOR   |
| C910    | QETA1AM-227N  | E.CAPACITOR   |
| C911    | QFP82AJ-153   | P.P.CAPACITOR |
| C912    | QFV71HJ-103ZM | TF.CAPACITOR  |
| C913    | QETC1EM-106ZN | E.CAPACITOR   |
| C914    | QFN31HJ-682Z  | M.CAPACITOR   |
| C915    | QFN31HJ-332Z  | M.CAPACITOR   |
| C916    | QFN31HJ-332Z  | M.CAPACITOR   |
| C919    | QETC1HM-105ZN | E.CAPACITOR   |
| C920    | QETC1EM-106ZN | E.CAPACITOR   |
| C925    | QCF31HP-103Z  | C.CAPACITOR   |
| C926    | QCF31HP-103Z  | C.CAPACITOR   |
| C929    | QETC1AM-107ZN | E.CAPACITOR   |
| C930    | QETC1AM-107ZN | E.CAPACITOR   |
| C931    | QCF31HP-103Z  | C.CAPACITOR   |
| C932    | QCF31HP-103Z  | C.CAPACITOR   |
| C934    | QETC1EM-336ZN | E.CAPACITOR   |
| C935    | QETC1EM-106ZN | E.CAPACITOR   |
| C936    | QETB1AM-108N  | E.CAPACITOR   |
| C937    | QETC1EM-106ZN | E.CAPACITOR   |
| C938    | QCF31HP-103Z  | C.CAPACITOR   |
| C939    | QCF31HP-103Z  | C.CAPACITOR   |
| C941    | QCF31HP-103Z  | C.CAPACITOR   |
| C942    | QCF31HP-103Z  | C.CAPACITOR   |

| REF. NO | PARTS NO.      | PARTS NAME   |
|---------|----------------|--------------|
| C950    | QETC1AM-107ZN  | E.CAPACITOR  |
| D381    | LN21RCPSL(O)J1 | LED          |
| D382    | LN21RCPSL(O)J1 | LED          |
| D383    | LN21RCPSL(O)J1 | LED          |
| D384    | LN81YCPSL(S)J1 | LED          |
| D385    | LN81YCPSL(S)J1 | LED          |
| D386    | LN81YCPSL(S)J1 | LED          |
| D481    | LN21RCPSL(O)J1 | LED          |
| D482    | LN21RCPSL(O)J1 | LED          |
| D483    | LN21RCPSL(O)J1 | LED          |
| D484    | LN81YCPSL(S)J1 | LED          |
| D485    | LN81YCPSL(S)J1 | LED          |
| D486    | LN81YCPSL(S)J1 | LED          |
| D501    | HSS104TJ       | SI DIODE     |
| D502    | HSS104TJ       | SI DIODE     |
| D504    | HSS104TJ       | SI DIODE     |
| D506    | HSS104TJ       | SI DIODE     |
| D508    | HSS104TJ       | SI DIODE     |
| D510    | HSS104TJ       | SI DIODE     |
| D511    | HSS104TJ       | SI DIODE     |
| D513    | HSS104TJ       | SI DIODE     |
| D514    | HSS104TJ       | SI DIODE     |
| D515    | HSS104TJ       | SI DIODE     |
| D516    | HSS104TJ       | SI DIODE     |
| D517    | HSS104TJ       | SI DIODE     |
| D518    | HSS104TJ       | SI DIODE     |
| D519    | HSS104TJ       | SI DIODE     |
| D520    | HSS104TJ       | SI DIODE     |
| D521    | HSS104TJ       | SI DIODE     |
| D531    | 11E1-TB2       | SI DIODE     |
| D532    | 11E1-TB2       | SI DIODE     |
| D533    | 11E1-TB2       | SI DIODE     |
| D534    | 11E1-TB2       | SI DIODE     |
| D535    | RD5.6E(B3)     | ZENER DIODE  |
| D537    | RD11E(B1)      | Z DIODE      |
| D551    | LN81YCPSL(S)J1 | LED          |
| D552    | LN81YCPSL(S)J1 | LED          |
| D553    | LN21RCPSL(O)J1 | LED          |
| D555    | LN31GCPSLJ1    | LED          |
| D557    | HSS104TJ       | SI DIODE     |
| D901    | HSS104TJ       | SI DIODE     |
| D910    | HSS104TJ       | SI DIODE     |
| D911    | HSS104TJ       | SI DIODE     |
| D912    | HSS104TJ       | SI DIODE     |
| D913    | HSS104TJ       | SI DIODE     |
| D914    | HSS104TJ       | SI DIODE     |
| IC501   | MB88505H-659T  | IC(CPU)      |
| IC502   | M54641L        | IC           |
| IC503   | M54641L        | IC           |
| IC504   | AN6555         | I.C          |
| IC510   | AN78N07        | I.C          |
| IC511   | AN79N07        | I.C          |
| IC705   | IR2E27A        | I.C          |
| IC901   | AN6557         | I.C          |
| IC902   | HA12088ANT     | DOLBY NR I.C |
| IC904   | AN6555         | I.C          |
| IC905   | BA15218N       | I.C          |
| IC906   | BA15218N       | I.C          |
| IC907   | BA15218N       | I.C          |
| J101    | QMS6313-017    | JACK         |
| J201    | QMS6313-017    | JACK         |
| J501    | QMS3533-001    | JACK         |
| J901    | EMN00TV-402A   | PIN JACK     |
| J902    | QMS6302-119G   | JACK         |
| J903    | QMC9014-007    | DIN SOCKET   |
| L101    | VQZ0025-001S   | FILTER       |
| L102    | VQZ0013-001S   | FILTER       |
| L104    | VQP0001-183S   | INDUCTOR     |
| L105    | VQP0001-562S   | INDUCTOR     |
| L201    | VQZ0025-001S   | FILTER       |

△ Parts are safety assurance parts

When replacing those parts, make sure to use the specified one.

| REF. NO | PARTS NO.      | PARTS NAME      |
|---------|----------------|-----------------|
| L202    | VQZ0013-001S   | FILTER          |
| L204    | VQP0001-183S   | INDUCTOR        |
| L205    | VQP0001-562S   | INDUCTOR        |
| L901    | VQH1008-024    | OSC COIL(BIAS)  |
| Q101    | 2SC1845(E,U)-T | TRANSISTOR      |
| Q102    | 2SC945L(P,K)-T | TRANSISTOR      |
| Q103    | 2SK246(GR)E2   | FET             |
| Q104    | 2SC945L(P,K)-T | TRANSISTOR      |
| Q105    | 2SC945L(P,K)-T | TRANSISTOR      |
| Q106    | 2SC945L(P,K)-T | TRANSISTOR      |
| Q107    | 2SC2001(L,K)-T | TRANSISTOR      |
| Q108    | 2SC2001(L,K)-T | TRANSISTOR      |
| Q109    | 2SC945L(P,K)-T | TRANSISTOR      |
| Q110    | 2SC945L(P,K)-T | TRANSISTOR      |
| Q201    | 2SC1845(E,U)-T | TRANSISTOR      |
| Q202    | 2SC945L(P,K)-T | TRANSISTOR      |
| Q203    | 2SK246(GR)E2   | FET             |
| Q204    | 2SC945L(P,K)-T | TRANSISTOR      |
| Q205    | 2SC945L(P,K)-T | TRANSISTOR      |
| Q206    | 2SC945L(P,K)-T | TRANSISTOR      |
| Q207    | 2SC2001(L,K)-T | TRANSISTOR      |
| Q208    | 2SC2001(L,K)-T | TRANSISTOR      |
| Q209    | 2SC945L(P,K)-T | TRANSISTOR      |
| Q210    | 2SC945L(P,K)-T | TRANSISTOR      |
| Q502    | 2SC945L(P,K)-T | TRANSISTOR      |
| Q503    | 2SA564(R,S)TA  | TRANSISTOR      |
| Q504    | 2SC945L(P,K)-T | TRANSISTOR      |
| Q505    | 2SC945L(P,K)-T | TRANSISTOR      |
| Q508    | 2SC945L(P,K)-T | TRANSISTOR      |
| Q509    | 2SC945L(P,K)-T | TRANSISTOR      |
| Q510    | 2SC945L(P,K)-T | TRANSISTOR      |
| Q517    | 2SD882(Q,P)    | TRANSISTOR      |
| Q521    | 2SC945L(P,K)-T | TRANSISTOR      |
| Q523    | 2SA952(L,K)-T  | TRANSISTOR      |
| Q524    | 2SC945L(P,K)-T | TRANSISTOR      |
| Q901    | 2SC1845(E,U)-T | TRANSISTOR      |
| Q902    | 2SA992(E,U)-T  | TRANSISTOR      |
| Q903    | 2SC945L(P,K)-T | TRANSISTOR      |
| Q904    | 2SC1685(R,S)TA | TRANSISTOR      |
| Q905    | 2SC1685(R,S)TA | TRANSISTOR      |
| Q906    | 2SA564(R,S)TA  | TRANSISTOR      |
| Q908    | 2SA564(R,S)TA  | TRANSISTOR      |
| Q909    | 2SC945L(P,K)-T | TRANSISTOR      |
| Q910    | 2SC2001(L,K)-T | TRANSISTOR      |
| Q911    | 2SA564(R,S)TA  | TRANSISTOR      |
| Q912    | 2SC945L(P,K)-T | TRANSISTOR      |
| Q913    | 2SA564(R,S)TA  | TRANSISTOR      |
| Q914    | 2SC945L(P,K)-T | TRANSISTOR      |
| RN501   | QRB075J-103    | NETWORK RESIST  |
| R101    | QRD161J-152Y   | CARBON RESISTOR |
| R102    | QRD161J-104Y   | CARBON RESISTOR |
| R103    | QRD161J-394Y   | CARBON RESISTOR |
| R104    | QRD161J-512Y   | CARBON RESISTOR |
| R105    | QRD161J-682Y   | CARBON RESISTOR |
| R106    | QRD161J-101Y   | CARBON RESISTOR |
| R107    | QRD161J-105Y   | CARBON RESISTOR |
| R108    | QRD161J-222Y   | CARBON RESISTOR |
| R109    | QRD161J-222Y   | CARBON RESISTOR |
| R118    | QRD161J-104Y   | CARBON RESISTOR |
| R119    | QRD161J-104Y   | CARBON RESISTOR |
| R120    | QRD161J-222Y   | CARBON RESISTOR |
| R121    | QRD161J-472Y   | CARBON RESISTOR |
| R122    | QRD161J-822Y   | CARBON RESISTOR |
| R123    | QRD161J-102Y   | CARBON RESISTOR |
| R124    | QRD161J-332Y   | CARBON RESISTOR |
| R125    | QRD161J-102Y   | CARBON RESISTOR |
| R126    | QRD161J-683Y   | CARBON RESISTOR |
| R127    | QRD161J-101Y   | CARBON RESISTOR |
| R128    | QRD161J-103Y   | CARBON RESISTOR |
| R132    | QRD161J-103Y   | CARBON RESISTOR |



△ Parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

| △ REF. NO | PARTS NO.    | PARTS NAME      |
|-----------|--------------|-----------------|
| R133      | QRD161J-223Y | CARBON RESISTOR |
| R134      | QRD161J-822Y | CARBON RESISTOR |
| R135      | QRD161J-152Y | CARBON RESISTOR |
| R137      | QRD161J-151Y | CARBON RESISTOR |
| R141      | QRD161J-273Y | CARBON RESISTOR |
| R142      | QRD161J-332Y | CARBON RESISTOR |
| R143      | QRD161J-101Y | CARBON RESISTOR |
| R144      | QRD161J-183Y | CARBON RESISTOR |
| R145      | QRD161J-101Y | CARBON RESISTOR |
| R146      | QRD161J-103Y | CARBON RESISTOR |
| R147      | QRD161J-103Y | CARBON RESISTOR |
| R148      | QRD161J-105Y | CARBON RESISTOR |
| R149      | QRD161J-393Y | CARBON RESISTOR |
| R151      | QRD161J-332Y | CARBON RESISTOR |
| R152      | QRD161J-104Y | CARBON RESISTOR |
| R153      | QRD161J-103Y | CARBON RESISTOR |
| R154      | QRD161J-151Y | CARBON RESISTOR |
| R155      | QRD161J-184Y | CARBON RESISTOR |
| R156      | QRD161J-103Y | CARBON RESISTOR |
| R157      | QRD161J-103Y | CARBON RESISTOR |
| R158      | QRD161J-473Y | CARBON RESISTOR |
| R160      | QRD161J-103Y | CARBON RESISTOR |
| R161      | QRD161J-332Y | CARBON RESISTOR |
| R163      | QRD161J-103Y | CARBON RESISTOR |
| R165      | QRD161J-272Y | CARBON RESISTOR |
| R166      | QRD161J-392Y | CARBON RESISTOR |
| R167      | QRD161J-152Y | CARBON RESISTOR |
| R168      | QRD161J-182Y | CARBON RESISTOR |
| R169      | QRD161J-472Y | CARBON RESISTOR |
| R170      | QRD161J-472Y | CARBON RESISTOR |
| R171      | QRD161J-472Y | CARBON RESISTOR |
| R173      | QRD161J-332Y | CARBON RESISTOR |
| R174      | QRD161J-101Y | CARBON RESISTOR |
| R201      | QRD161J-152Y | CARBON RESISTOR |
| R202      | QRD161J-104Y | CARBON RESISTOR |
| R203      | QRD161J-394Y | CARBON RESISTOR |
| R204      | QRD161J-512Y | CARBON RESISTOR |
| R205      | QRD161J-682Y | CARBON RESISTOR |
| R206      | QRD161J-101Y | CARBON RESISTOR |
| R207      | QRD161J-105Y | CARBON RESISTOR |
| R208      | QRD161J-222Y | CARBON RESISTOR |
| R209      | QRD161J-222Y | CARBON RESISTOR |
| R218      | QRD161J-104Y | CARBON RESISTOR |
| R219      | QRD161J-104Y | CARBON RESISTOR |
| R220      | QRD161J-222Y | CARBON RESISTOR |
| R221      | QRD161J-472Y | CARBON RESISTOR |
| R222      | QRD161J-822Y | CARBON RESISTOR |
| R223      | QRD161J-102Y | CARBON RESISTOR |
| R224      | QRD161J-332Y | CARBON RESISTOR |
| R225      | QRD161J-102Y | CARBON RESISTOR |
| R226      | QRD161J-683Y | CARBON RESISTOR |
| R227      | QRD161J-101Y | CARBON RESISTOR |
| R228      | QRD161J-103Y | CARBON RESISTOR |
| R232      | QRD161J-103Y | CARBON RESISTOR |
| R233      | QRD161J-223Y | CARBON RESISTOR |
| R234      | QRD161J-822Y | CARBON RESISTOR |
| R235      | QRD161J-152Y | CARBON RESISTOR |
| R237      | QRD161J-151Y | CARBON RESISTOR |
| R241      | QRD161J-273Y | CARBON RESISTOR |
| R242      | QRD161J-332Y | CARBON RESISTOR |
| R243      | QRD161J-101Y | CARBON RESISTOR |
| R244      | QRD161J-183Y | CARBON RESISTOR |
| R245      | QRD161J-101Y | CARBON RESISTOR |
| R246      | QRD161J-103Y | CARBON RESISTOR |
| R247      | QRD161J-103Y | CARBON RESISTOR |
| R248      | QRD161J-105Y | CARBON RESISTOR |
| R249      | QRD161J-393Y | CARBON RESISTOR |
| R251      | QRD161J-332Y | CARBON RESISTOR |
| R252      | QRD161J-104Y | CARBON RESISTOR |
| R253      | QRD161J-103Y | CARBON RESISTOR |

| △ REF. NO | PARTS NO.    | PARTS NAME      |
|-----------|--------------|-----------------|
| R254      | QRD161J-151Y | CARBON RESISTOR |
| R255      | QRD161J-184Y | CARBON RESISTOR |
| R256      | QRD161J-103Y | CARBON RESISTOR |
| R257      | QRD161J-103Y | CARBON RESISTOR |
| R258      | QRD161J-473Y | CARBON RESISTOR |
| R260      | QRD161J-103Y | CARBON RESISTOR |
| R261      | QRD161J-332Y | CARBON RESISTOR |
| R263      | QRD161J-103Y | CARBON RESISTOR |
| R265      | QRD161J-272Y | CARBON RESISTOR |
| R266      | QRD161J-392Y | CARBON RESISTOR |
| R267      | QRD161J-152Y | CARBON RESISTOR |
| R268      | QRD161J-182Y | CARBON RESISTOR |
| R269      | QRD161J-472Y | CARBON RESISTOR |
| R270      | QRD161J-472Y | CARBON RESISTOR |
| R271      | QRD161J-472Y | CARBON RESISTOR |
| R273      | QRD161J-332Y | CARBON RESISTOR |
| R274      | QRD161J-101Y | CARBON RESISTOR |
| R381      | QRD161J-183Y | CARBON RESISTOR |
| R382      | QRD161J-333Y | CARBON RESISTOR |
| R383      | QRD161J-103Y | CARBON RESISTOR |
| R481      | QRD161J-183Y | CARBON RESISTOR |
| R482      | QRD161J-333Y | CARBON RESISTOR |
| R483      | QRD161J-103Y | CARBON RESISTOR |
| R501      | QRD161J-103Y | CARBON RESISTOR |
| △ R506    | QRD149J-4R7S | CARBON RESISTOR |
| R507      | QRD161J-102Y | CARBON RESISTOR |
| R508      | QRD161J-152Y | CARBON RESISTOR |
| R509      | QRD161J-103Y | CARBON RESISTOR |
| R510      | QRD161J-103Y | CARBON RESISTOR |
| R513      | QRD161J-103Y | CARBON RESISTOR |
| R514      | QRD161J-223Y | CARBON RESISTOR |
| R515      | QRD161J-103Y | CARBON RESISTOR |
| R516      | QRD161J-471Y | CARBON RESISTOR |
| R517      | QRD161J-104Y | CARBON RESISTOR |
| R518      | QRD161J-221Y | CARBON RESISTOR |
| R521      | QRD161J-223Y | CARBON RESISTOR |
| R522      | QRD161J-473Y | CARBON RESISTOR |
| R523      | QRD161J-223Y | CARBON RESISTOR |
| R527      | QRD161J-103Y | CARBON RESISTOR |
| R528      | QRD161J-472Y | CARBON RESISTOR |
| R529      | QRD161J-472Y | CARBON RESISTOR |
| R530      | QRD161J-222Y | CARBON RESISTOR |
| R531      | QRD161J-103Y | CARBON RESISTOR |
| R532      | QRD161J-102Y | CARBON RESISTOR |
| R533      | QRD161J-104Y | CARBON RESISTOR |
| R534      | QRD161J-102Y | CARBON RESISTOR |
| R535      | QRD161J-102Y | CARBON RESISTOR |
| R536      | QRD161J-102Y | CARBON RESISTOR |
| △ R537    | QRD161J-391Y | CARBON RESISTOR |
| △ R538    | QRD161J-391Y | CARBON RESISTOR |
| △ R539    | QRD161J-391Y | CARBON RESISTOR |
| △ R541    | QRD161J-331Y | CARBON RESISTOR |
| R543      | QRD161J-152Y | CARBON RESISTOR |
| R544      | QRD161J-151Y | CARBON RESISTOR |
| R545      | QRD161J-682Y | CARBON RESISTOR |
| R546      | QRD161J-155Y | CARBON RESISTOR |
| R547      | QRD161J-103Y | CARBON RESISTOR |
| R548      | QRD161J-104Y | CARBON RESISTOR |
| R549      | QRD161J-102Y | CARBON RESISTOR |
| R550      | QRD161J-104Y | CARBON RESISTOR |
| R551      | QRD161J-104Y | CARBON RESISTOR |
| R559      | QRD161J-221Y | CARBON RESISTOR |
| △ R562    | QRD149J-4R7S | CARBON RESISTOR |
| △ R577    | QRD149J-221S | CARBON RESISTOR |
| △ R578    | QRD149J-4R7S | CARBON RESISTOR |
| R579      | QRD161J-471Y | CARBON RESISTOR |
| R580      | QRD161J-102Y | CARBON RESISTOR |
| R581      | QRD161J-152Y | CARBON RESISTOR |
| R582      | QRD161J-332Y | CARBON RESISTOR |
| R591      | QRD161J-102Y | CARBON RESISTOR |

| △ REF. NO | PARTS NO.    | PARTS NAME      |
|-----------|--------------|-----------------|
| R592      | QRD161J-102Y | CARBON RESISTOR |
| R593      | QRD161J-222Y | CARBON RESISTOR |
| R594      | QRD161J-272Y | CARBON RESISTOR |
| R595      | QRD161J-103Y | CARBON RESISTOR |
| R596      | QRD161J-103Y | CARBON RESISTOR |
| R597      | QRD161J-561Y | CARBON RESISTOR |
| △ R781    | QRD161J-821Y | CARBON RESISTOR |
| R782      | QRD161J-821Y | CARBON RESISTOR |
| R901      | QRD161J-471Y | CARBON RESISTOR |
| R902      | QRD161J-332Y | CARBON RESISTOR |
| R903      | QRD161J-472Y | CARBON RESISTOR |
| R904      | QRD161J-103Y | CARBON RESISTOR |
| R905      | QRD161J-223Y | CARBON RESISTOR |
| R906      | QRD161J-221Y | CARBON RESISTOR |
| R907      | QRD161J-222Y | CARBON RESISTOR |
| R908      | QRD161J-332Y | CARBON RESISTOR |
| R909      | QRD161J-222Y | CARBON RESISTOR |
| R911      | QWY124-5.0Y  | BUS WIRE        |
| R915      | QRD161J-100Y | CARBON RESISTOR |
| R916      | QRD161J-100Y | CARBON RESISTOR |
| R917      | QRD161J-103Y | CARBON RESISTOR |
| R918      | QRD161J-103Y | CARBON RESISTOR |
| R919      | QRD161J-223Y | CARBON RESISTOR |
| R920      | QRD161J-472Y | CARBON RESISTOR |
| R921      | QRD161J-472Y | CARBON RESISTOR |
| △ R923    | QRD149J-4R7S | CARBON RESISTOR |
| R924      | QRD161J-393Y | CARBON RESISTOR |
| R925      | QRD161J-393Y | CARBON RESISTOR |
| R927      | QRD161J-103Y | CARBON RESISTOR |
| R928      | QRD161J-332Y | CARBON RESISTOR |
| R929      | QRD161J-471Y | CARBON RESISTOR |
| R930      | QRD161J-471Y | CARBON RESISTOR |
| R931      | QRD161J-332Y | CARBON RESISTOR |
| R932      | QRD161J-152Y | CARBON RESISTOR |
| R934      | QRD161J-152Y | CARBON RESISTOR |
| R946      | QRD161J-101Y | CARBON RESISTOR |
| R947      | QRD161J-103  | CARBON RESISTOR |
| R948      | QRD161J-472Y | CARBON RESISTOR |
| R949      | QRD161J-103Y | CARBON RESISTOR |
| R950      | QRD161J-223Y | CARBON RESISTOR |
| R951      | QRD161J-101Y | CARBON RESISTOR |
| R953      | QRD161J-103Y | CARBON RESISTOR |
| R954      | QRD161J-152Y | CARBON RESISTOR |
| R955      | QRD161J-122Y | CARBON RESISTOR |
| R956      | QRD161J-102Y | CARBON RESISTOR |
| △ R957    | QRD149J-100S | CARBON RESISTOR |
| △ R958    | QRD161J-102Y | CARBON RESISTOR |
| △ R959    | QRD161J-562Y | CARBON RESISTOR |
| R960      | QRD161J-153Y | CARBON RESISTOR |
| R963      | QRD161J-472Y | CARBON RESISTOR |
| R964      | QRD161J-103Y | CARBON RESISTOR |
| R965      | QRD161J-103Y | CARBON RESISTOR |
| R966      | QRD161J-223Y | CARBON RESISTOR |
| R967      | QRD161J-391Y | CARBON RESISTOR |
| R968      | QRD161J-103Y | CARBON RESISTOR |
| R969      | QRD161J-102Y | CARBON RESISTOR |
| R970      | QRD161J-471Y | CARBON RESISTOR |
| R971      | QRD161J-471Y | CARBON RESISTOR |
| R980      | QRD161J-152Y | CARBON RESISTOR |
| R981      | QRD161J-123Y | CARBON RESISTOR |
| R982      | QRD161J-123Y | CARBON RESISTOR |
| R983      | QRD161J-152Y | CARBON RESISTOR |
| R984      | QRD161J-104Y | CARBON RESISTOR |
| R986      | QRD161J-273Y | CARBON RESISTOR |
| R987      | QRD161J-123Y | CARBON RESISTOR |
| R988      | QRD161J-273Y | CARBON RESISTOR |
| S501      | QSS7A23-V05  | SLIDE SWITCH    |
| S505      | QSP1A11-V01  | TACT SWITCH     |
| S506      | QSP1A11-V01  | TACT SWITCH     |
| S507      | QSP1A11-V01  | TACT SWITCH     |

| △ REF. NO | PARTS NO.     | PARTS NAME            |
|-----------|---------------|-----------------------|
| S508      | QSP1A11-V01   | TACT SWITCH           |
| S510      | QSP1A11-V01   | TACT SWITCH           |
| S511      | QSP1A11-V01   | TACT SWITCH           |
| S512      | QSP1A11-V01   | TACT SWITCH           |
| S520      | QSP0219-061   | PUSH SWITCH           |
| S902      | QST7261-V01   | PUSH SW               |
| VR101     | QVPA601-502   | V.RESISTOR            |
| VR103     | QVP4A0B-104   | V.RESISTOR            |
| VR104     | QVPA601-203   | POTENTIOMETER         |
| VR201     | QVPA601-502   | V.RESISTOR            |
| VR203     | QVP4A0B-104   | V.RESISTOR            |
| VR204     | QVPA601-203   | POTENTIOMETER         |
| VR901     | QVD7A7A-015V  | V.RESISTOR            |
| S1        | QSS2325-208   | SLIDE SWITCH          |
| C157      | QETC1HM-224ZN | E.CAPACITOR (DIN AMP) |
| C257      | QETC1HM-224ZN | E.CAPACITOR (DIN AMP) |

12 Exploded View of Mechanism Assembly

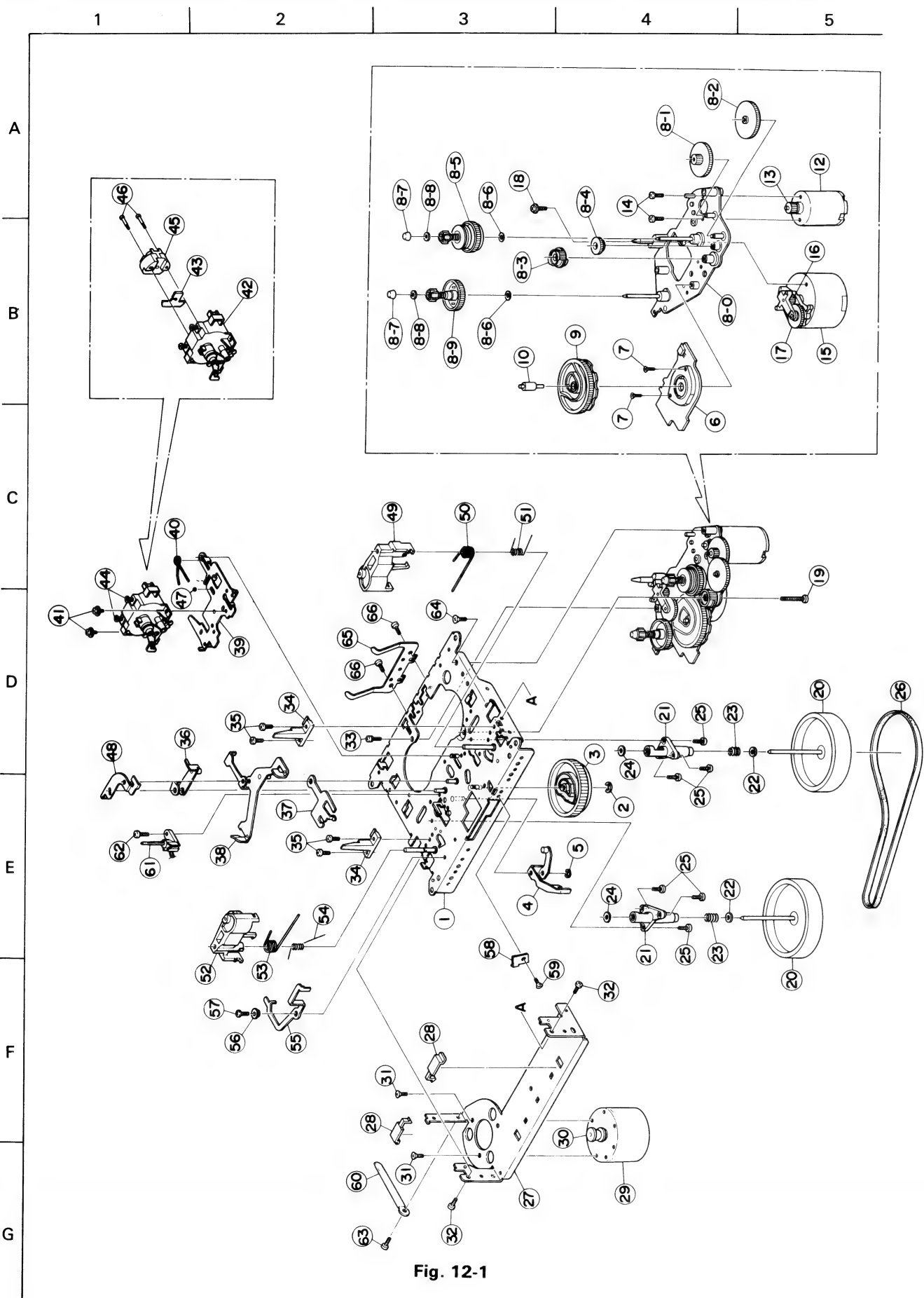


Fig. 12-1

⚠ Parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

Mechanism Assembly Parts List

| REF. | PARTS NO.   | PARTS NAME      | REMARKS        | QTY |
|------|-------------|-----------------|----------------|-----|
| 1    | VKL2387-00A | CHASSIS BASE    |                | 1   |
| 2    | REE2000X    | WASHER          |                | 1   |
| 3    | VKS2186-002 | P.ROLLER CAM    |                | 1   |
| 4    | VKL5333-00E | HEAD LEVER ASY  |                | 1   |
| 5    | REE1500     | E.RING          |                | 1   |
| 6    | VKZ3152-00C | CAM SWITCH ASY. | CAM SWITCH     | 1   |
| 7    | SSST2006Z   | TAP.SCREW       |                | 2   |
| 8-0  | VKL2375-001 | DISK BASE       |                | 1   |
| 8-1  | VKR4527-001 | HELICAL GEAR    |                | 1   |
| 8-2  | VKR3001-002 | GEAR(2)         |                | 1   |
| 8-3  | VKR3145-002 | CAM GEAR        |                | 1   |
| 8-4  | VKR4516-001 | GEAR            |                | 1   |
| 8-5  | VKR4517-00A | REEL DISK ASS'Y |                | 1   |
| 8-6  | VKZ4003-010 | FELT            |                | 1   |
|      | VKZ4003-010 | FELT            | BACK TENSION   | 1   |
| 8-7  | VKS4131-001 | REEL STOPPER    |                | 1   |
|      | VKS4131-001 | REEL STOPPER    |                | 1   |
| 8-8  | VKR4170-001 | RING            |                | 1   |
|      | VKR4170-001 | RING            |                | 1   |
| 8-9  | VKR4518-00A | REEL DISK ASS'Y |                | 1   |
| 9    | VKS2188-002 | HEAD BASE CAM   |                | 1   |
| 10   | VKH3004-068 | FLANGE SHAFT(A) |                | 1   |
| 12   | MXN-13AB08A | D.C.MOTOR       | FOR CAM        | 1   |
| 13   | VKR4528-001 | MOTOR GEAR      | CAM MOTOR      | 1   |
| 14   | SPSP3005Z   | SCREW           | CAM MOTOR      | 2   |
| 15   | MMN-6F4RA88 | D.C.MOTOR       | FOR REEL       | 1   |
| 16   | VKR3000-003 | GEAR(1)         | REEL MOTOR     | 1   |
| 17   | VKS4503-00D | F.R ASS'Y       |                | 1   |
| 18   | SWSP2608Z   | SCREW           | REEL MOTOR     | 1   |
| 19   | SDSR2610Z   | SCREW           | D.BASE UNIT    | 1   |
| 20   | VKF3149-00B | FLYWHEEL ASS'Y  |                | 2   |
| 21   | VKF4122-00E | CAPSTAN METAL   |                | 2   |
| 22   | VKZ4035-010 | WASHER          | TAKE-UP        | 2   |
| 23   | VKW3001-241 | SPRING          | THRUST         | 2   |
| 24   | VKZ4035-009 | WASHER          | OIL CUT        | 2   |
| 25   | SDST2605Z   | SCREW           | FLYWHEEL ASS'Y | 6   |
| 26   | VKB3001-035 | BELT            |                | 1   |
| 27   | VKL3682-001 | F.M.BRACKET     |                | 1   |
| 28   | VKS4437-001 | THRUST PLATE    |                | 2   |
| 29   | SHE2L52     | D.C.MOTOR       | M4 CAPSTAN     | 1   |
| 30   | VKR4384-001 | MOTOR PULLEY    |                | 1   |
| 31   | SSSP2604Z   | SCREW           | CAPSTAN MOTOR  | 2   |
| 32   | SDST2606Z   | SCREW           | F.M.BRACKET    | 2   |
| 33   | LPSP2614Z   | SCREW           | REEL MOTOR     | 1   |
| 34   | VKS4901-002 | CASSETTE GUIDE  |                | 2   |
| 35   | SDST2606Z   | SCREW           | CASSETTE GUIDE | 4   |
| 36   | VKL5316-00E | H.BASE ARM ASSY |                | 1   |
| 37   | VKL5318-003 | HEAD ARM        |                | 1   |
| 38   | VKL3413-00D | P.R.LEVER ASS'Y |                | 1   |
| 39   | VKL3683-003 | HEAD BASE       |                | 1   |
| 40   | VKW4467-004 | TORSION SPRING  |                | 1   |
| 41   | KPSP2004Z   | SCREW           |                | 2   |
| 42   | VKS3349-00C | H.MOUNTBASE ASY | ASS'Y PARTS    | 1   |
| 43   | VKZ4271-002 | WIRE STOPPER    |                | 1   |

 Parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

[illegible]



# 13 Exploded of Enclosure Assembly

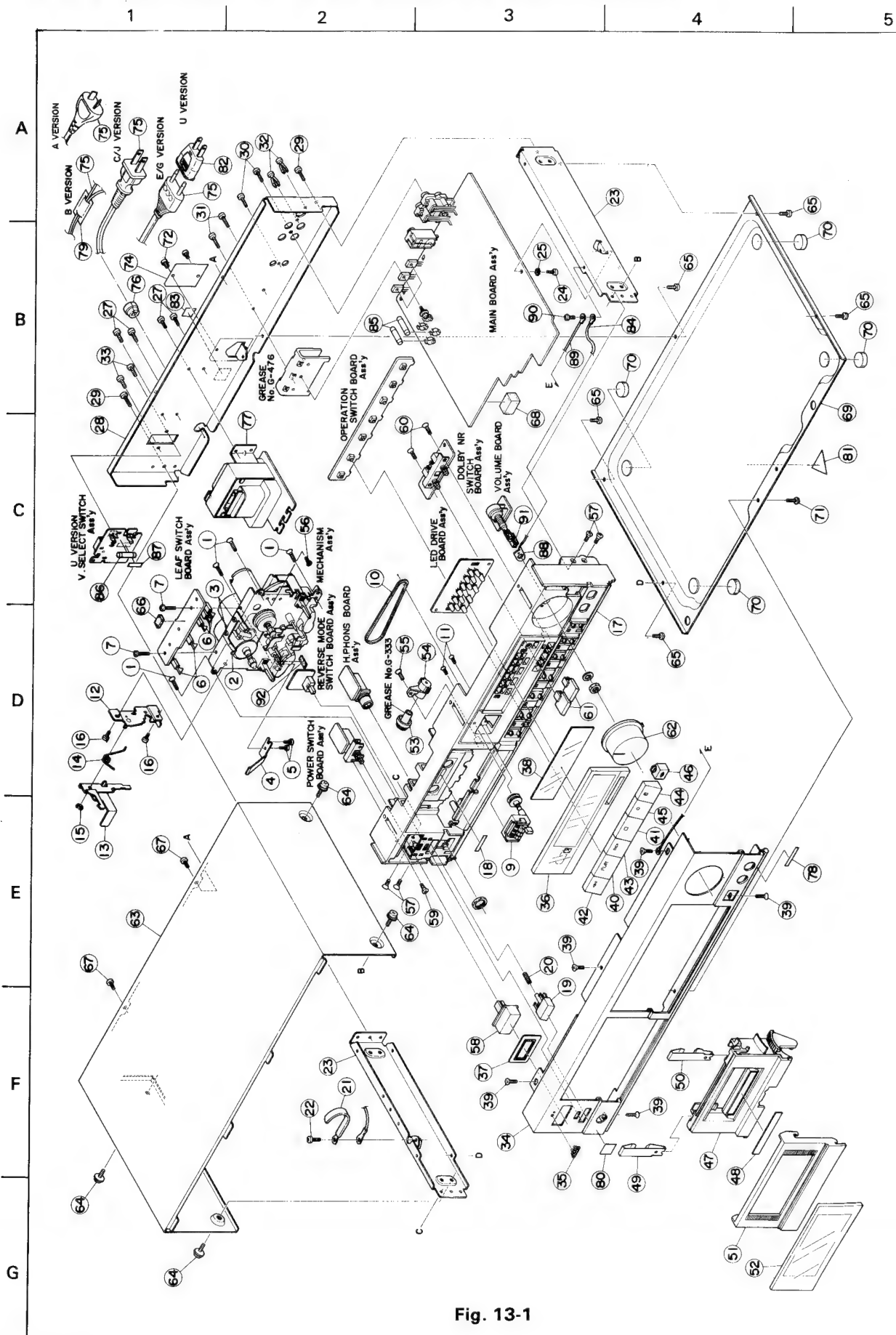


Fig. 13-1

△ Parts are safety assurance parts.

### Enclosure Assembly Parts List

When replacing those parts, make sure to use the specified one.

| △ | REF. | PARTS NO.    | PARTS NAME      | REMARKS              | QTY |
|---|------|--------------|-----------------|----------------------|-----|
|   | 1    | SSSF3010Z    | SCREW           | MECHA+F.PANEL        | 4   |
|   | 2    | VKY4279-001  | PACK SPRING     |                      | 1   |
|   | 3    | SDST2604Z    | SCREW           |                      | 2   |
|   | 4    | VKY4497-001  | HOLDER SPRING   | MECHA                | 1   |
|   | 5    | SDST2603Z    | SCREW           | H.SPRING             | 2   |
|   | 6    | VSH1140-002  | LEAF SWITCH     | MECHA                | 5   |
|   | 7    | SDST2608Z    | SCREW           | LEAF SW PWB          | 2   |
|   | 9    | VKC5189-001T | TAPE COUNTER    |                      | 1   |
|   | 10   | VKB3000-053  | COUNTER BELT    |                      | 1   |
|   | 11   | SSSF2606Z    | SCREW           | FOR TAPE COUNTER     | 2   |
|   | 12   | VKL6066-00A  | EJECT BKT ASS'Y |                      | 1   |
|   | 13   | VKM3124-001  | EJECT LEVER     |                      | 1   |
|   | 14   | VKW4643-001  | TORSION SPRING  |                      | 1   |
|   | 15   | REE2500      | E.RING          |                      | 1   |
|   | 16   | SDST2605Z    | SCREW           |                      | 2   |
|   | 17   | VJC1688-001  | FRONT PANEL     |                      | 1   |
|   | 18   | VJD4024-001  | REFLECTION PLAT |                      | 1   |
|   | 19   | VXP4349-00A  | PUSH BUTTON     |                      | 1   |
|   | 20   | VKW3001-063  | COMP.SPRING     |                      | 1   |
|   | 21   | VKZ4001-011  | WIRE HOLDER     |                      | 1   |
|   | 22   | SDST3006Z    | SCREW           |                      | 1   |
|   | 23   | VKL3817-003  | SIDE CHASSIS    |                      | 2   |
|   | 24   | SDST3006Z    | SCREW           | P.W.B                | 1   |
|   | 25   | WBS3000N     | WASHER          |                      | 1   |
|   | 27   | SDST3006M    | SCREW           | P.TRANS              | 4   |
|   | 28   | VJC2266-006  | REAR PANEL      | TD-R411A/B/C/E/J(BK) | 1   |
|   |      | VJC2266-007  | REAR PANEL      | TD-R411G(BK)         | 1   |
|   |      | VJC2266-008  | REAR PANEL      | TD-R411U(BK)         | 1   |
|   | 29   | SDST3006M    | SCREW           | R.PANEL+C.CHASSIS    | 2   |
|   | 30   | SDSF3008M    | SCREW           | P.JACK+DCS           | 2   |
|   | 31   | SDSF3008M    | SCREW           | HEAT SINK            | 2   |
|   | 32   | E48729-002   | PLASTIC RIVET   | TD-R411G DIN JACK    | 2   |
|   | 33   | SDSP3008M    | SCREW           | TD-R411U V.SELECT    | 2   |
|   | 34   | VJC1689-001  | FRONT PLATE     | EXCEPT TD-R411C/J    | 1   |
|   |      | VJC1689-002  | FRONT PLATE     | TD-R411C             | 1   |
|   |      | VJC1689-002  | FRONT PLATE     | TD-R411J             | 1   |
|   | 35   | E72968-001   | JVC MARK        |                      | 1   |
|   | 36   | VJK3430-004  | FINDER          |                      | 1   |
|   | 37   | E73878-002   | P.BUTTON ESCUTC |                      | 1   |
|   | 38   | VJD5119-001  | LED PLATE       |                      | 1   |
|   | 39   | SSSF3010Z    | SCREW           | F.PANEL+F.PLATE      | 5   |
|   | 40   | VXP3221-007  | MECHA BUTTON    | PLAY                 | 1   |
|   | 41   | VXP3221-008  | MECHA BUTTON    | STOP                 | 1   |
|   | 42   | VXP3221-009  | MECHA BUTTON    | REW                  | 1   |
|   | 43   | VXP3221-010  | MECHA BUTTON    | FF                   | 1   |
|   | 44   | VXP3221-011  | MECHA BUTTON    | PAUSE                | 1   |
|   | 45   | VXP3221-012  | MECHA BUTTON    | REC/REC MUTE         | 1   |
|   | 46   | VXP4686-003  | PUSH BUTTON     | DIRECTION            | 1   |
|   | 47   | VJT2177-001  | CASSETTE HOLDER |                      | 1   |
|   | 48   | VJD5143-001  | HOLDER PLATE    |                      | 1   |
|   | 49   | VKY4382-007  | CASSETTE SPRING |                      | 1   |
|   | 50   | VKY4382-008  | CASSETTE SPRING |                      | 1   |
|   | 51   | VJT3242-001  | CASSETTE LID    |                      | 1   |
|   | 52   | VJT4149-001  | CASSETTE FINDER |                      | 1   |
|   | 53   | VYH4769-002  | GEAR            |                      | 1   |

△ Parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

| △ | REF. | PARTS NO.      | PARTS NAME     | REMARKS            | QTY |
|---|------|----------------|----------------|--------------------|-----|
|   | 54   | VYH5033-002    | DAMPER HOLDER  |                    | 1   |
|   | 55   | SBSF3010Z      | TAPPING SCREW  |                    | 1   |
|   | 56   | SSSF3010Z      | SCREW          |                    | 1   |
|   | 57   | SSST3006Z      | SCREW          |                    | 4   |
|   | 58   | E73877-001     | PUSH BUTTON    | POWER              | 1   |
|   | 59   | SSST3008Z      | SCREW          | POWER              | 1   |
|   | 60   | SSSF3010Z      | SCREW          |                    | 2   |
|   | 61   | E71268-002     | PUSH KNOB      | DOLBY              | 2   |
|   | 62   | E304768-001    | VOL. KNOB      |                    | 1   |
|   | 63   | VJC2101-008    | TOP COVER      |                    | 1   |
|   | 64   | VKZ3001-004    | SPECIAL SCREW  |                    | 4   |
|   | 65   | SDST3006Z      | SCREW          |                    | 5   |
|   | 66   | VYSR103-022    | SPACER         |                    | 1   |
|   | 67   | SDST3006M      | SCREW          |                    | 2   |
|   | 68   | VYSH115-004    | SPACER         |                    | 1   |
|   | 69   | VJC1590-002    | BOTTOM COVER   |                    | 1   |
|   | 70   | VJF4003-002    | FOOT           |                    | 4   |
|   | 71   | SDSF3010Z      | TAP.SCREW      |                    | 1   |
|   | 72   | SDST3006M      | SCREW          |                    | 2   |
|   | 74   | VYN2216-002KA  | NAME PLATE     | TD-R411A(BK)       | 1   |
|   |      | VYN2216-002KA  | NAME PLATE     | TD-R411B(BK)       | 1   |
|   |      | VYN2216-004KA  | NAME PLATE     | TD-R411C(BK)       | 1   |
|   |      | VYN2216-005KA  | NAME PLATE     | TD-R411E(BK)       | 1   |
|   |      | VYN2216-006KA  | NAME PLATE     | TD-R411J(BK)       | 1   |
|   |      | VYN2216-007KA  | NAME PLATE     | TD-R411U(BK)       | 1   |
|   |      | VYN2216-008KA  | NAME PLATE     | TD-R411G(BK)       | 1   |
| △ | 75   | QMP1200-200    | POWER CORD     | TD-R411C/J         | 1   |
| △ |      | QMP2560-200    | POWER CORD     | TD-R411A           | 1   |
| △ |      | QMP3900-200    | POWER CORD     | TD-R411E/G/U       | 1   |
| △ |      | QMP9017-008BS  | POWER CORD     | TD-R411B           | 1   |
| △ | 76   | QHS3876-162    | S.R.BUSHING    | TD-R411A/C/E/G/J/U | 1   |
| △ |      | QHS3876-162BS  | S.R.BUSHING    | TD-R411B           | 1   |
| △ | 77   | VTP54A3-051BN  | POWER TRANS    | TD-R411C/J         | 1   |
| △ |      | VTP54C3-061B   | POWER TRANS    | TD-R411A/E/G       | 1   |
| △ |      | VTP54C3-061BBS | POWER TRANS    | TD-R411B           | 1   |
| △ |      | VTP54G3-041B   | POWER TRANS    | TD-R411U           | 1   |
| △ | 78   | TJL000420-01   | CAUTION LABEL  | MADE IN JAPAN 411B | 1   |
| △ | 79   | QZL1002-003    | WARNING LABEL  | 2-PIN P. CORD 411B | 1   |
|   | 80   | VNC5004-001    | MARK STICKER   | DIN 45500 411B/E/G | 1   |
|   | 81   | VND4113-001    | G.CAUTION CARD | 411B/J             | 1   |
|   | 82   | V04062-001     | CONTI.PLUG     | TD-R411U           | 1   |
|   | 83   | VND4037-002    | F MARK         | TD-R411G           | 1   |
|   | 84   | VWE350-10A2NT  | WIRE WITH LUG  |                    | 1   |
| △ | 85   | QMF51A2-R80    | FUSE           | F2 EXCEPT R411B    | 2   |
| △ |      | QMF51E2-R80BS  | FUSE           | F2 411B ONLY       | 2   |
| △ | 86   | QMF51A2-R125   | FUSE           | F3 411U            | 1   |
|   | 87   | VND4003-046    | FUSE LABEL     | 411U               | 1   |
|   | 88   | TAZ336499-02   | VOLUME LUG     |                    | 1   |
|   | 89   | VWE350-08NTNT  | LUG WIRE       |                    | 1   |
|   | 90   | SDST3006Z      | SCREW          |                    | 1   |
|   | 91   | VYSA1R2-008    | SPACER         |                    | 1   |
|   | 92   | VYSR103-028    | SPACER         |                    | 1   |

# 14 Packing

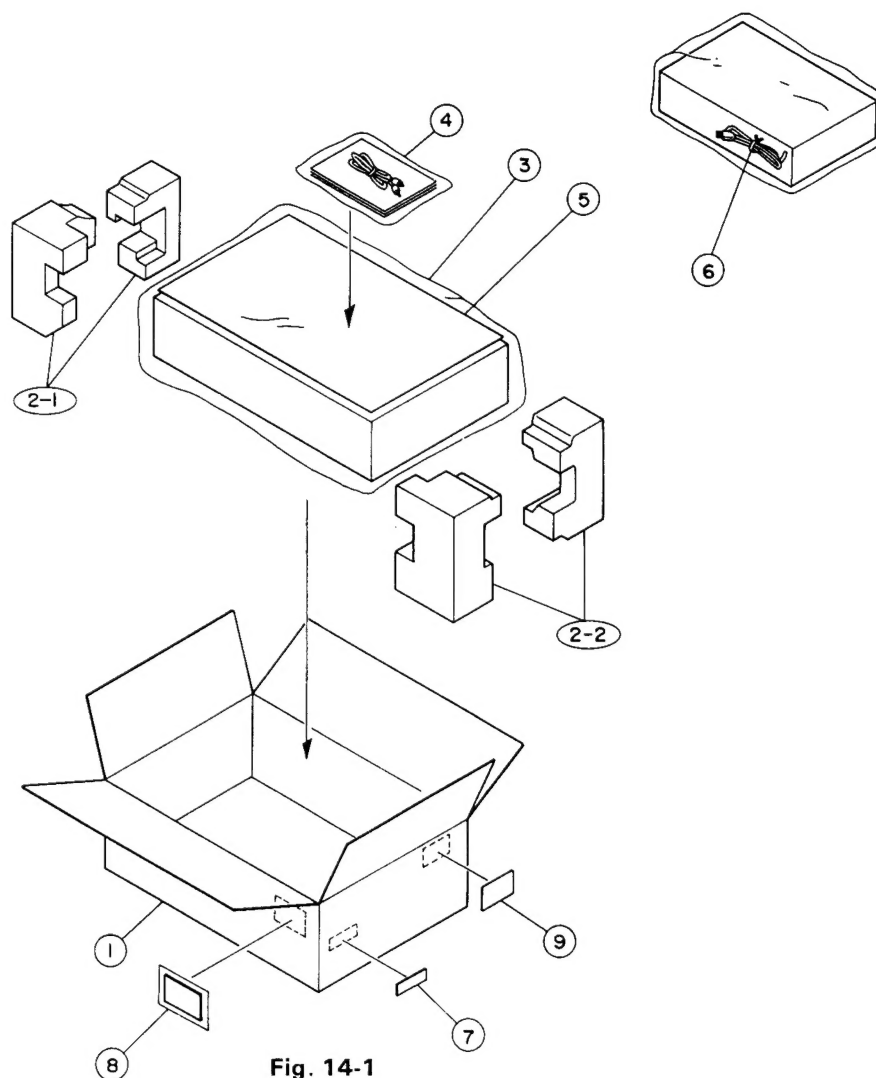


Fig. 14-1

## Packing Parts List

⚠ Parts are safety assurance parts

When replacing those parts, make sure to use the specified one.

| ⚠ | Ref. No. | Parts No.   | Parts Name    | Remarks                           | Q'ty |
|---|----------|-------------|---------------|-----------------------------------|------|
|   | 1        | VPC2216-002 | Carton        |                                   | 1    |
|   | 2-1      | VPH3125-002 | Cushion       | Left Side                         | 1    |
|   | 2-2      | VPH3126-002 | Cushion       | Right Side                        | 1    |
|   | 3        | VPE3005-025 | Poly Bag      | for Set                           | 1    |
|   | 4        | VPE3005-007 | Envelope      | for Instruction Book              | 1    |
|   | 5        | VPK4002-006 | Sheet         | for Set                           | 1    |
|   | 6        | Q04141H     | Wire Clamp    |                                   | 1    |
|   | 7        | VND4909-001 | Voltage Label | TD-R411BKU                        | 1    |
|   | 8        | E66416-003  | Envelope      | TD-R411BKJ/U<br>for Warranty Card | 1    |
|   | 9        | VND3044-004 | Serial Label  | TD-R411BKB                        | 1    |
|   |          | VND3044-001 | Serial Label  | TD-R411BKA/U                      | 1    |
|   |          | VND3044-001 | Serial Label  | TD-R411BKC                        | 2    |
|   |          | VND3044-003 | Serial Label  | TD-R411BKE                        | 1    |
|   |          | VND3044-002 | Serial Label  | TD-R411BKJ                        | 2    |
|   |          | VND3044-005 | Serial Label  | TD-R411BKG                        | 1    |

# 15 Accessories

⚠ Parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

| ⚠ | Parts No.   | Parts Name            | Remarks            | Q'ty |
|---|-------------|-----------------------|--------------------|------|
|   | VPM0039-00B | Pin Cord              |                    | 1    |
|   | EWP805-001  | Remote Wire           |                    | 1    |
|   | VNN2216-661 | Instruction Book      |                    | 1    |
|   | BT20025J    | Warranty Card         | TD-R411BKC         | 1    |
|   | BT20029C    | Warranty Card         | TD-R411BKA         | 1    |
|   | BT20047C    | Warranty Card         | TD-R411BKJ/U       | 1    |
|   | BT20060     | Guarranty Card        | TD-R411BKB         | 1    |
|   | BT20064A    | Warranty Card         | TD-R411BKG         | 1    |
|   | BT20066     | Warranty Card         | TD-R411BKB/G       | 1    |
|   | BT20098     | Warranty Card         | TD-R411BKA         | 1    |
|   | BT20071A    | Service Network       | TD-R411BKC         | 1    |
|   | BT20044E    | Safety Instruction    | TD-R411BKJ         | 1    |
|   | VNC5311-203 | Cautinn Card          | TD-R411BKU         | 1    |
|   | VNC5311-204 | Caution Card          | TD-R411BKU         | 1    |
|   | VNC2200-019 | Copylight Law Worning | TD-R411BKA/B/C/E/U | 1    |
|   | BT20046C    | Special Reply Card    | TD-R411BKJ/U       | 1    |

# JVC

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